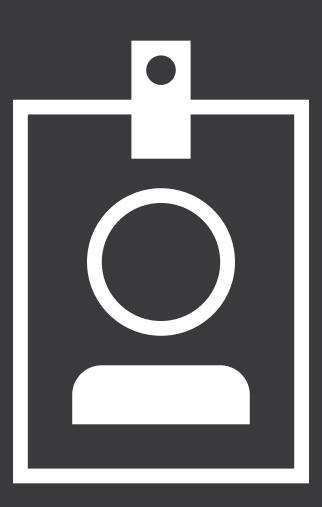
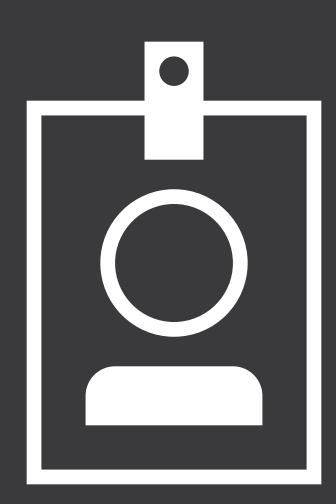


swift workshop

Anton McConville







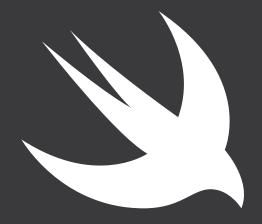
Anton McConville

Developer Advocate - IBM Bluemix

@antonmc



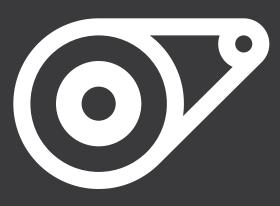
What's in store ...



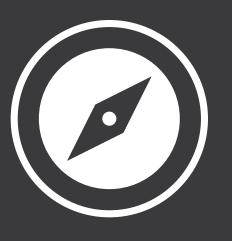




working with swift

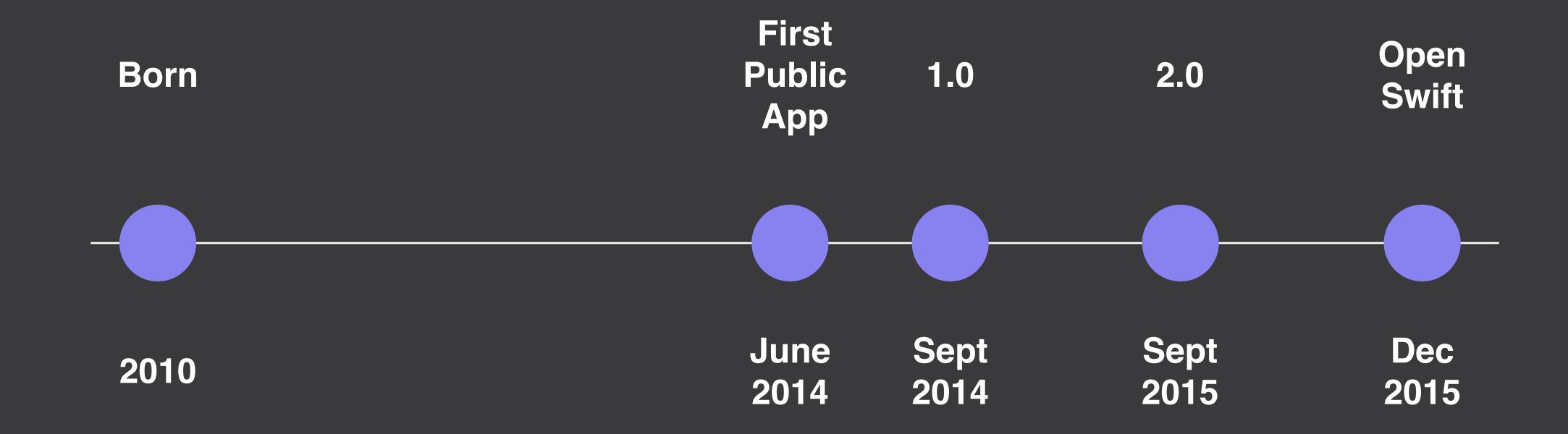


demo and walkthrough



future steps



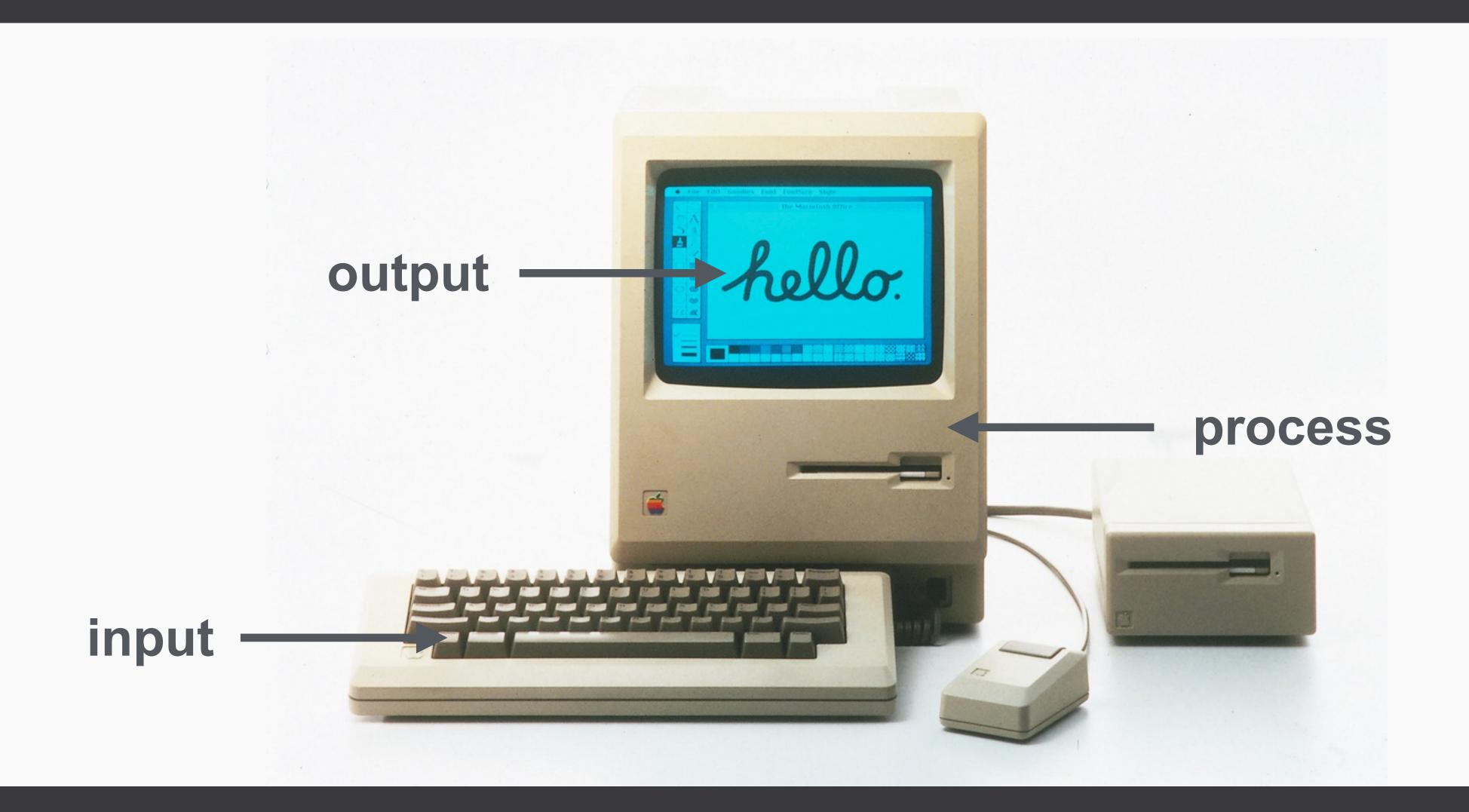




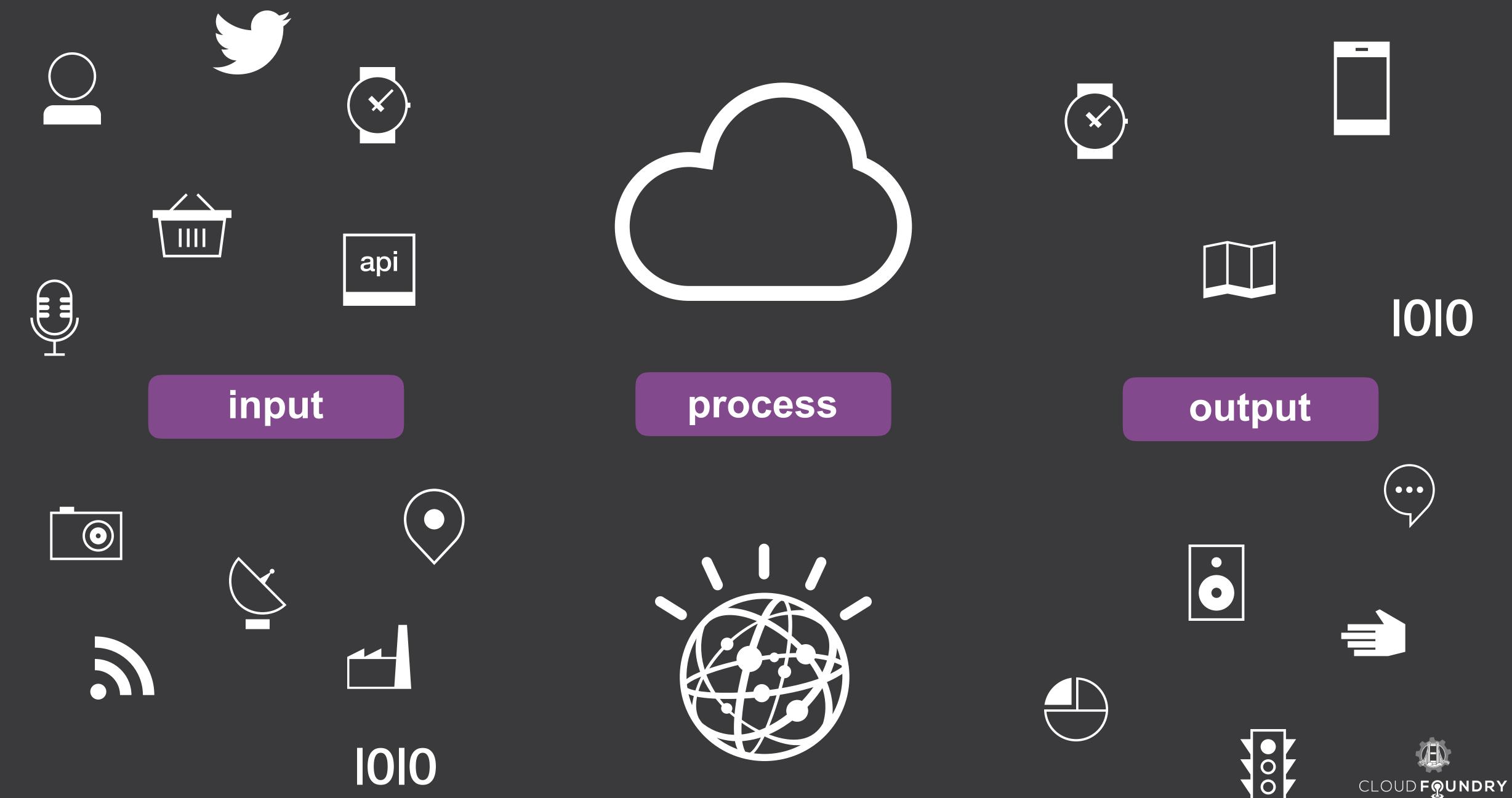


why swift?









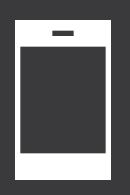
SUMMIT 2016

Swift. A modern programming language that is safe, fast, and interactive.

Swift is a powerful and intuitive programming language for iOS, OS X, tvOS, and watchOS. Writing Swift code is interactive and fun, the syntax is concise yet expressive, and apps run lightning-fast. Swift is ready for your next project — or addition into your current app — because Swift code works side-by-side with Objective-C.

https://swiftlang.ng.bluemix.net













Compiled









Compiled



Future friendly?







working with swift



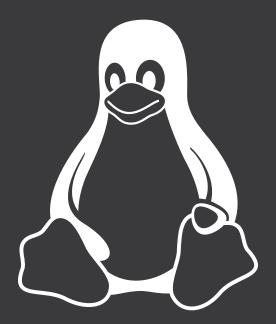
where to get it ...



swift.org



compatibility

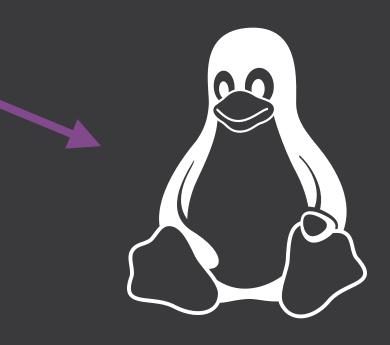


linux



compatibility

early days still



linux

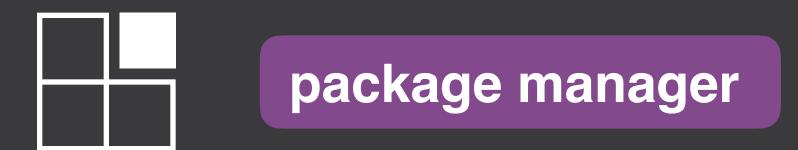
os x





package manager





Swift organizes code into **modules**. Each module specifies a namespace and enforces access controls on which parts of that code can be used outside of the module.

A program may have all of its code in a single module, or it may import other modules as **dependencies**.





A package consists of Swift source files and a manifest file.

The manifest file, called Package.swift, defines the package's name and its contents using the PackageDescription module.

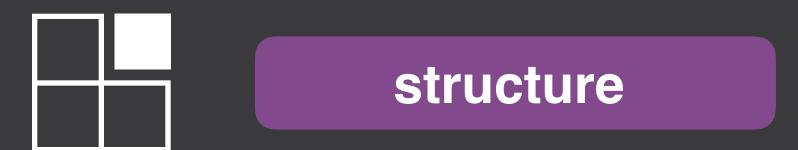
A package has one or more targets. Each target specifies a product and may declare one or more dependencies.



```
package.swift
```

import PackageDescription





```
project
Sources
main.swift
another.swift
stuff.swift
Package.swift
```





> swift build





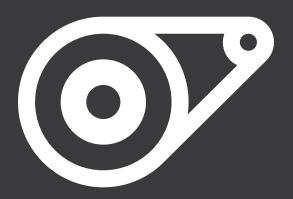
```
project
_____ .build
_____ debug
____ project.a
____ project.o
____ project.swiftdoc
____ project.swiftmodule
```



> run

> .build/debug/Server





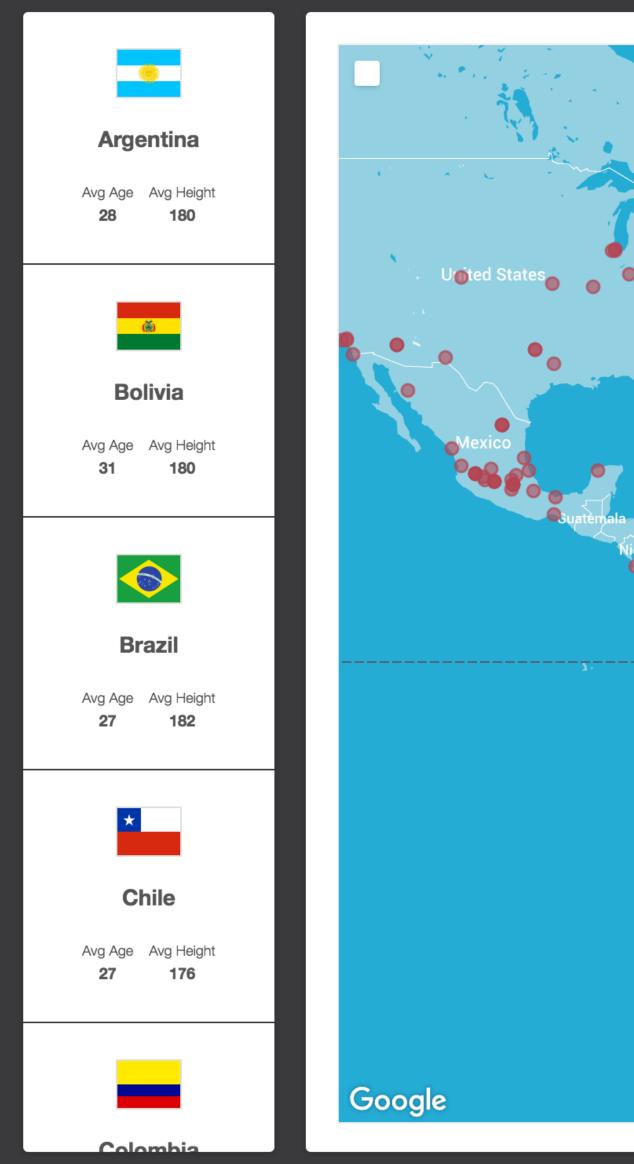
demo and walkthrough





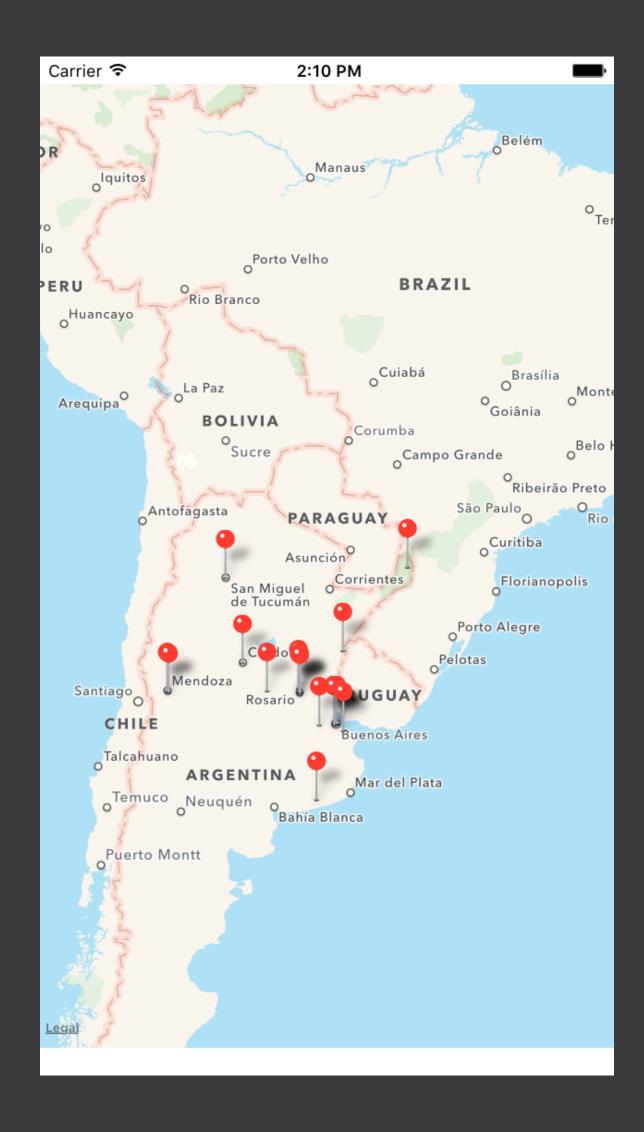
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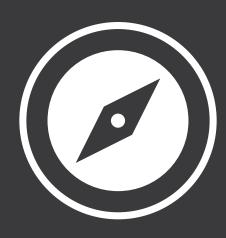






https://github.com/IBM-Bluemix/swift-helloworld





future steps



Kitura

web framework



Kitura

Swift 3

evolution



Kitura Swift 3

Windows?

more platforms



Bluemix & Swift



http://www.ibm.com/cloud-computing/bluemix/swift/



open swift packages



https://swiftpkgs.ng.bluemix.net/



This workshop



https://github.com/antonmc/swift-workshop



bluemix.net

swift.org



thanks:)

