

# SWIFT

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# SWIFT ROADMAP

- Before 2014 dark times when Objective-C ruled the iOS development
- Version 1.0 released on September 9, 2014
- Open-sourced under Apache 2.0 on December 3, 2015 - <https://swift.org>
- Current version 5.1

# SWIFT IS...

- Compiled language
  - Longer compile time
  - Less run-time errors
- Statically typed language
  - All variables must have a type
  - Once a variable's type is declared or inferred it cannot change
- Strongly typed language
  - You cannot pass a string to a function that expects an integer

# SWIFT IS...

- Language that uses Automatic Reference Counting
  - Compile time in contrast with a garbage collector
  - Still, there can be memory leaks
- Functional-friendly language
  - Evaluation of mathematical functions that avoids states and mutable data
  - Especially when working with arrays

# LANGUAGE GUIDE

- <https://docs.swift.org/swift-book/LanguageGuide/TheBasics.html>

# LET'S CODE