

# SWIFT IN FLUX

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**SO, SWIFT.**

**N E W .**

**IN PROGRESS.**

**ONE MIGHT SAY...**

**INFLEX.**

# **SWIFT INFUX**

**"AN ATTEMPT TO GATHER ALL  
THAT IS IN FLUX IN SWIFT."**

**GITHUB.COM/KSM/SWIFTINFUX**

**@KAROLSMAZUR**

**BORN AT A SWIFTCRUNCH.  
OVER 800 STARS ON GITHUB.  
FEATURED IN IOS DEV WEEKLY.**

# **#1 - REFLECTION.**

- ▶ **Undocumented.**
- ▶ **Half-baked.**
- ▶ **Could disappear before 1.0.**



```
class Test {  
    var title: String? = ""  
    var count: Int = 0  
}  
  
let testReflect = reflect(Test())  
var properties: [String] = []  
  
for index in 0 ..< testReflect.count {  
    let (propertyName, _) = testReflect[index]  
    properties.append(propertyName)  
}  
  
// properties is now ["title", "count"]
```

# #2 IBOUTLET

- ▶ **was implicitly** weak.
- ▶ **was implicitly unwrapped optional (!).**

**SUPER CONFUSING.**

# **#2 IBOUTLET**

- ▶ **IBOutlet won't have any implicit behaviour in future Beta.**

**YAY!**

# **#3 OPTIONALS IN OBJC IMPORTS**

- ▶ **everything is imported as implicitly unwrapped optional ( ! ).**
  - ▶ **harder to distinguish types that can or can't be nil.**

# **#3 OPTIONALS IN OBJC IMPORTS**

**"Any plans to audit the Frameworks and mark where it actually can  
return nil?"**

**"Look for details in subsequent betas."**

**-- Chris Lattner**

# #4 OPTIONAL BOOL IS CONFUSING

```
var foo: Bool? = false
if foo {
    println("bar")
}
else {
    println("baz")
}
```

# #4 OPTIONAL BOOL IS CONFUSING

CONFUSING FOR EVERYTHING CONFORMING TO `LogicValue`.

**"We have a fix for "optional bool confusion" (...) in the next beta (along with a few other improvements to optional semantics)."**

-- Chris Lattner

# #5 IMPLICIT CONVERSIONS

```
extension Int {  
    func __conversion() -> CGFloat {  
        return CGFloat(self)  
    }  
}  
  
let x: CGFloat = 3.5  
let y: Int = 2  
let z = x * y // z is CGFloat and equals 7.0
```



# **#5 IMPLICIT CONVERSIONS**

**"It has never been documented, and we are planning to remove it for the final release."**

**-- Chris Lattner**

**APPLE FORUMS.  
POPULAR BLOGS.**

**???**

**FOUND SOMETHING?**

**CONTRIBUTE!**

**FORK.**

**SUBMIT A PULL REQUEST.**

**FREENODE IRC CHANNELS:**

**#SWIFT-LANG**

**#IPHONEDEV**

**...AND THAT'S ALL, FOLKS!**

**GITHUB.COM/JKLAUSA/SWIFTINFLUX-TALK**

**@KLAUSA\_QWPX**