

Cocoaheads

Swift is Open Source!

swift.org

Here you will find everything related to the Swift open source project.

What does this mean for us?

Swift is no longer platform
dependent

We can now see implementation details for the entirety of the `stdlib`.

Map

```
extension CollectionType {  
    /// Return an `Array` containing the results of mapping `transform`  
    /// over `self`.  
    ///  
    /// - Complexity: O(N).  
    @warn_unused_result  
    public func map<T>(  
        @noescape transform: (Generator.Element) throws -> T  
    ) rethrows -> [T] {  
        let count: Int = numericCast(self.count)  
        if count == 0 {  
            return []  
        }  
  
        var result = ContiguousArray<T>()  
        result.reserveCapacity(count)  
  
        var i = self.startIndex  
  
        for _ in 0..            result.append(try transform(self[i]))  
            i = i.successor()  
        }  
  
        _expectEnd(i, self)  
        return Array(result)  
    }  
  
    ...  
}
```

Related Posts

How is Bool implemented?

Let @gregheo guide you through ¹

¹ <https://swiftunboxed.com/open-source/Bool/>

Swift Evolution²

Proposals for major changes to the Swift Language reside here

² <https://github.com/apple/swift-evolution>

Hipster Swift³

Basically everything you have seen in swift that leaves you scared and confused

³ <http://krakendev.io/blog/hipster-swift>

Profiling Swift compilation times.⁴

```
// Compiles multiple seconds
let slowArray = array1 + array2 + array3 + array4 + array5

// Compiles very fast
let array = Array([array1, array2, array3, array4, array5].flatten())
```



Benjamin Encz

@benjaminencz

 Follow

Slow compile time in Swift? Try to rearrange some of your expressions.

3:17 AM - 9 Jan 2016 · Mission, San Francisco, United States

  95  172

⁴ <http://irace.me/swift-profiling/>

iAd App Network will be Discontinued⁵

⁵ <https://developer.apple.com/news/?id=01152016a>

Parse is Shutting Down⁶

⁶ <http://bits.blogs.nytimes.com/2016/01/28/facebook-to-shut-down-parse-its-platform-for-mobile-developers/>

Permissions Scope⁷

Intelligent iOS permissions UI and unified API

⁷ <https://github.com/nickoneill/PermissionScope>

Localize Swift⁸

Swift 2.0 friendly localization and i18n with in-app language switching

⁸ <https://github.com/marmelroy/Localize-Swift>

Zip⁹

Swift framework for zipping and unzipping files.

⁹ <https://github.com/marmelroy/Zip>

Material¹⁰

A beautiful graphics framework for Material Design in Swift.

¹⁰ <https://github.com/CosmicMind/Material>