

What is ‘Swifty’?

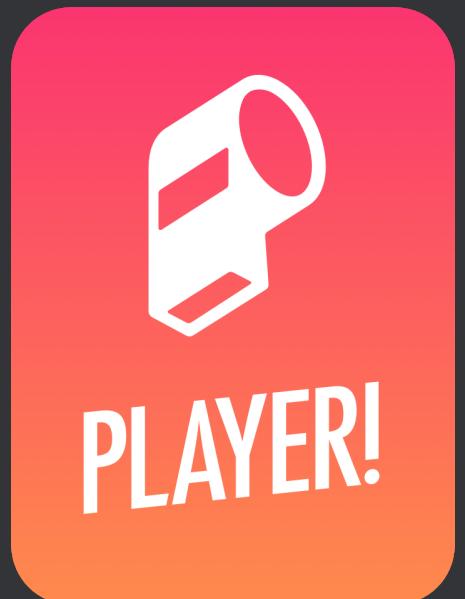


try! Swift India / November 19th, 2017

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Satoshi Hachiya

- Japanese iOS developer at **ookami, Inc.**
- Making an iOS app, **Player!**
- Founder of Pancake Meetup
 - Tokyo, San Jose, NYC...



Get Started!



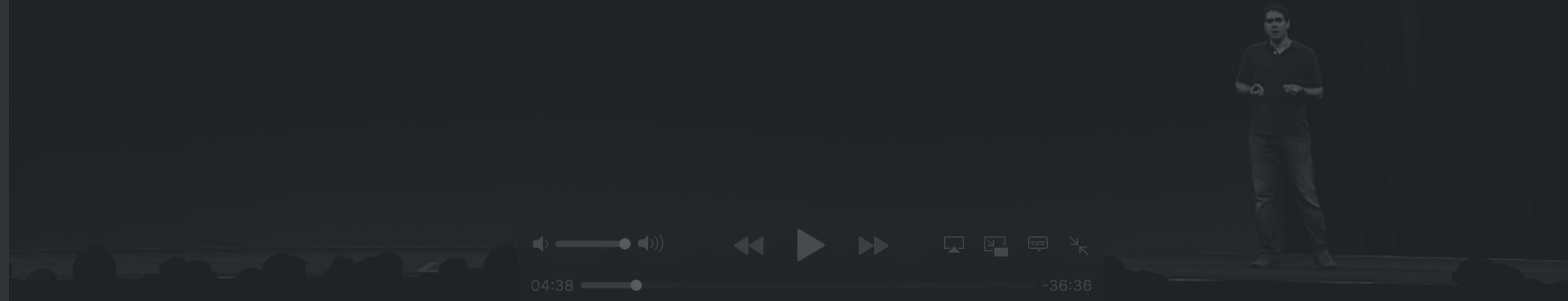
Agenda

- Swiftly
- NOT Swiftly
- Objective-Cty

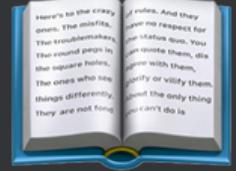
Swifty ?



What is “Swifty?”



Swift + '-ty'?



Dictionary (106 found)

< > A A

All English English Thesaurus Japanese Japanese-English Apple Wikipedia

-ty

tycoon
tycoons
tying
tyke
tykes
Tylenol
Tylenols
Tyler
tympana
tympani
tympanic
tympanum
tympanums

-ty¹ / ti /

接尾辞

10
▶ twenty
20
▶ thirty
30.

-ty²

接尾辞

...な性質・状態
▶ beauty
美しさ
▶ certainty
確実なこと。

This screenshot shows a dictionary application interface. The search term '-ty' is entered in the search bar. The results are divided into two sections: '-ty¹' and '-ty²'. The first section, labeled '接尾辞' (suffix), lists words like tycoon, tycoons, tying, tyke, tykes, Tylenol, Tylenols, Tyler, tympana, tympani, tympanic, tympanum, and tympanums. The second section, also labeled '接尾辞', lists words like twenty, thirty, beauty, and certainty, each followed by its Japanese translation: 美しさ and 確実なこと respectively. The interface includes standard Mac OS X window controls (red, yellow, green buttons) and a toolbar with buttons for back/forward, zoom, and search.

WWDC Videos



<https://developer.apple.com/search/?q=Swift&type=Videos>

Result

- What's New in Cocoa (2016)
- Swift API Design Guidelines (2016)
- Platforms State of the Union (2016)

What's New in Cocoa

[02:02]

...which of course makes our APIs *more Swiftly*, as you might have heard yesterday.

[08:07]

You'll see that's *not very swifty* because `.NSCrayonModeColorPanel` is fairly wordy.

Swift API Design Guidelines

[04:18]

They feel a bit *not-Swifty*. What's that even mean?

[04:24]

Not Swifty? You hear it a lot.

[04:50]

...to codify what it is to build a *Swifty* API and help everyone build more consistent, more clear APIs

[20:41]

They're used all the time to give them these *Swifty* makeovers to be beautiful in Swift.

[29:42]

Now, method names will get you a long way towards a *Swifty* API, but this doesn't quite go far enough.

[29:52]

But if you look at this, this doesn't really feel *very Swifty*, especially `NSCalendarIdentifierGregorian`,

[34:42]

...and make it look *Swifty*? How can we make it feel *Swifty*? Well, for that, we revisit our friend NS Swift Name.

Platforms State of the Union

[21:08]

Swift loves clarity and it aims to define away boilerplate. On Swift 3, Cocoa APIs have an elegant feel. You could say they're totally *Swifty*.

Swift Evolution

SE-0023 API Design Guidelines

- <https://github.com/apple/swift-evolution/blob/master/proposals/0023-api-guidelines.md>
- <https://github.com/apple/swift-evolution/blob/master/proposals/0006-apply-api-guidelines-to-the-standard-library.md>
- <https://github.com/apple/swift-evolution/blob/master/proposals/0006-apply-api-guidelines-to-the-standard-library.md>

Swift.org

About Swift

- **Safe.**
- **Fast.**
- **Expressive.**

Safety

Developer mistakes should be caught before software is in production

- Variables are always initialized before use
- Arrays and integers are checked for overflow
- Memory is managed automatically

NOT Swiftly ?



API Design Guidelines

<https://swift.org/documentation/api-design-guidelines/>

Commonly Rejected Changes

https://github.com/apple/swift-evolution/blob/master/commonly_proposed.md

- This is a list of changes to the Swift language that are frequently proposed but that are unlikely to be accepted.

Objective-Cty ?



Design Guidelines for Cocoa

<https://developer.apple.com/library/content/documentation/Cocoa/Conceptual/CodingGuidelines/CodingGuidelines.html>

Dynamic typing

<https://developer.apple.com/library/content/documentation/General/Conceptual/DevPedia-CocoaCore/DynamicTyping.html>

Conclusion

What `Swifty` means is ...

- Following Swift API Design Guidelines
- Making it safety

Thanks!

