

CocoaPods

The Road to 1.0

Orta Therox

⟨COCOAPODS⟩

#mceconf #mce-cocoapods



@orta 11 Jan 2014

What is CocoaPods?

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WHAT IS COCOAPODS?

- › A Dependency Manager
- › A Community around mostly Open source Objective-C code

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WHAT IS COCOAPODS?

- › Users download a ruby gem
- › Developers provide recipes for creating Xcode projects call Podspecs
- › Users write a list of dependencies in a Podfile
- › CocoaPods pulls in externals to your project with as little changes to your project as possible

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REAL LIFE USAGE

The screenshot shows an Xcode workspace for 'Artsy.xcworkspace' with a 'Podfile' open. The top status bar indicates 'Build Artsy: Succeeded' at '08/01/2014 at 13:05' with 'No Issues'. The left sidebar shows a project structure with folders like 'Supporting Files', 'Artsy Tests', 'Products', and 'Pods'. The main editor displays the following Podfile content:

```
3 # Yep.
4 inhibit_all_warnings!
5
6 pod 'ObjectiveSugar'
7 pod 'Mantle', '~> 1.0'
8 pod 'AFNetworking', '~> 1.0'
9 pod 'ISO8601DateFormatter', '~> 0.6'
10 pod 'TSMiniWebBrowser', :git => 'https://github.com/speednoisemovement/
11 TSMiniWebBrowser.git'
12 pod 'JLRoutes', :git => 'https://github.com/speednoisemovement/JLRoutes.git'
13
14 # note: this is not an Artsy project
15 pod 'ARGenericTableViewController', :git => 'https://github.com/orta/
16 ARGenericTableViewController.git'
17
18 pod 'ORKeyboardReactingApplication', :git => 'https://github.com/orta/
19 ORSimulatorKeyboardAccessor.git'
20 pod 'ORStackView', :git => "https://github.com/orta/ORStackView"
21
22 pod 'FLKAutoLayout'
23
24 pod 'AHEasing'
25 pod 'UIView+EasingFunctions'
26
27 pod 'CocoaLumberjack', '~> 1.6'
28 pod 'KSDeferred', '~> 0.1.0'
29 pod 'SDWebImage', '~> 3.4'
30 pod 'FXBlurView', '~> 1.1'
31 pod 'JSDecoupledAppDelegate', '~> 1.0'
32
33 pod 'MMMarkdown', '~> 0.2.3'
34 pod 'ARAnalytics/Mixpanel', '~> 2.3.3'
35 pod 'ARAnalytics/HockeyApp', '~> 2.3.3'
36
37 pod 'UICKeyChainStore', '~> 1.0.3'
38
39 # things to remove in production
40 pod 'Reveal-iOS-SDK'
41 pod 'VCRURLConnection', '~> 0.1.1'
42 pod 'DHCSHakeNotifier', '~> 0.1'
43
44 pod 'Facebook-iOS-SDK', '~> 3.7.1'
45 pod 'iRate', '~> 1.7.5'
46 pod 'AFOAuth1Client', :git => 'https://github.com/dstnbrkr/AFOAuth1Client.git'
```

The right sidebar shows a commit history with the following entries:

- 16 December 2013
dblock (da73a79ca4a6) 21:55 Show 2 modified files
Fix: specify ARAnalytics version.
- 11 November 2013
Dustin Barker (a1f84a2f8a1a) 18:25 Show 3 modified files
Point to local fork of FBSSnapshotTestCase
- 29 October 2013
Dustin Barker (2a27b2a2ea72) 17:30 Show 1 modified file
Add test target and FBSSnapshotTestCase to Podfile
- Orta Therox (4c4d36ffcab) 15:19 Show 6 modified files
ARArtworkSet uses the pagingVC instead
- 25 October 2013
Dustin Barker (5f7f4e5b75eb) 00:49 Show 2 modified files
Remove old test target
- 22 October 2013
Orta Therox (24751b5414b4) 14:41 Show 2 modified files
remove SFHFKeychainUtils
- Orta Therox (3a28ff7e4a73) 14:15 Show 46 modified files
remove unused code & podspecs
- 16 October 2013
Leonard Grey (2b113c0b7314) 22:02 Show 5 modified files
Construct our own URL requests for Martsy views
- 14 October 2013
Dustin Barker (4f617a6a761e) 21:23 Show 2 modified files

Who Makes CocoaPods?

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WHO MAKES COCOAPODS?



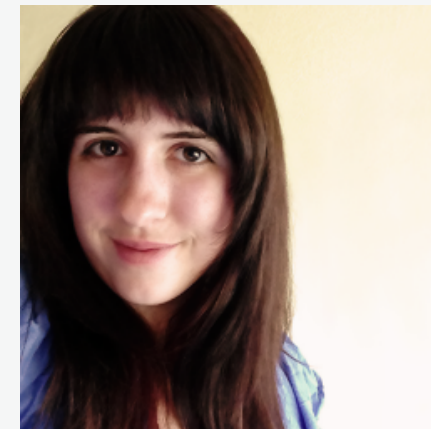
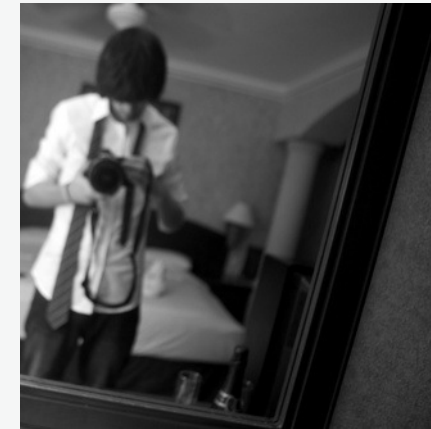
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MOBILE
CENTRAL EUROPE

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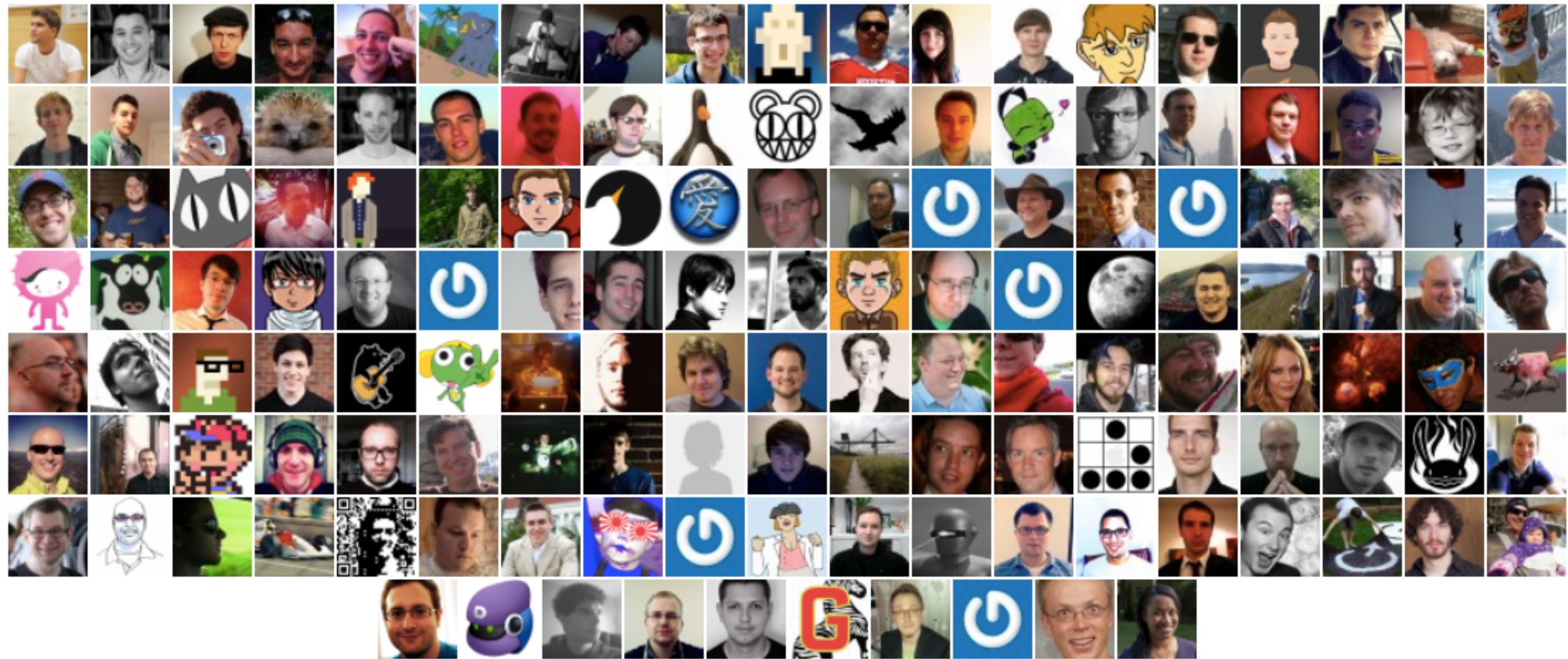
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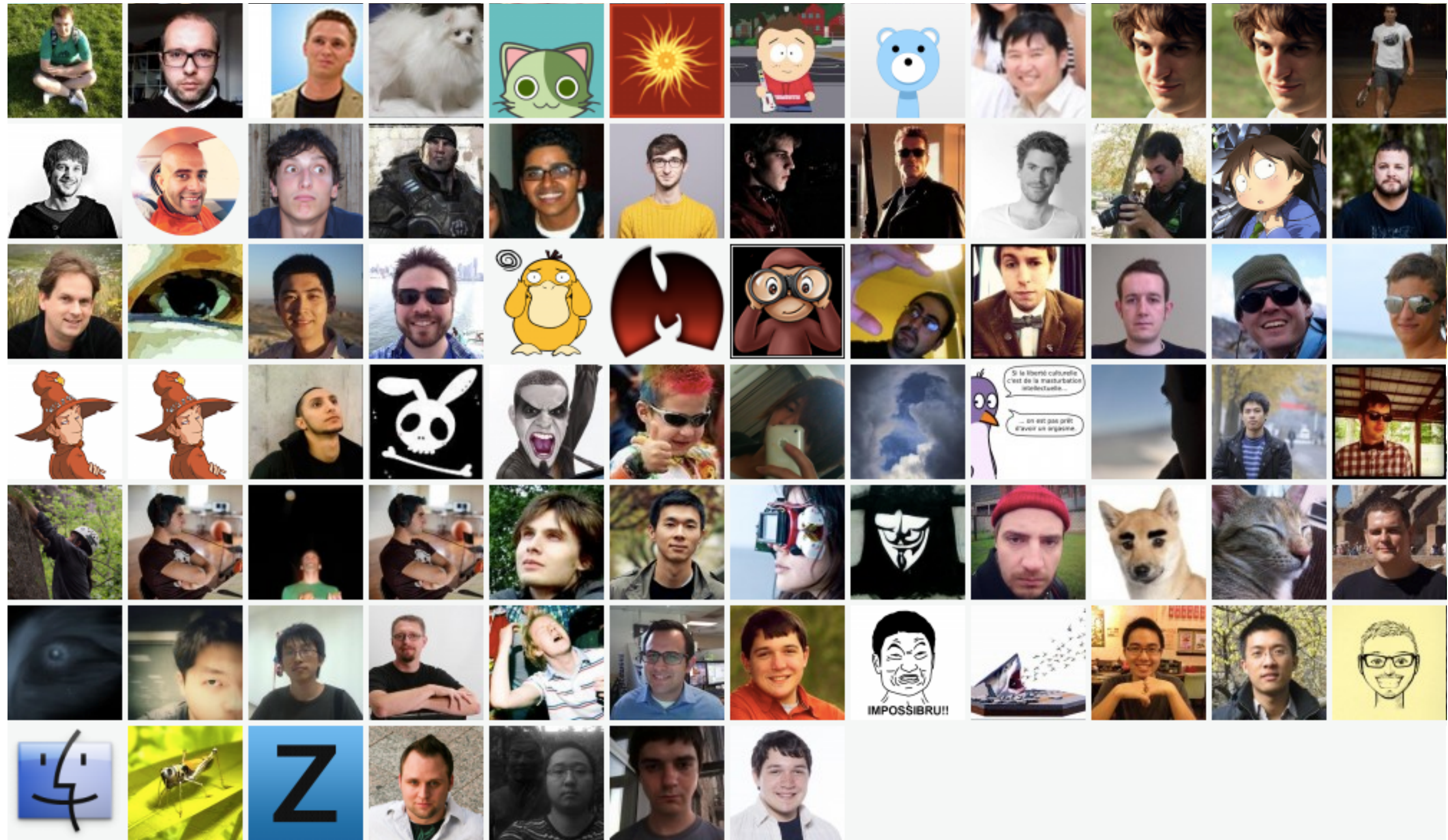
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WHO MAKES COCOAPODS?





How to stay up to date?

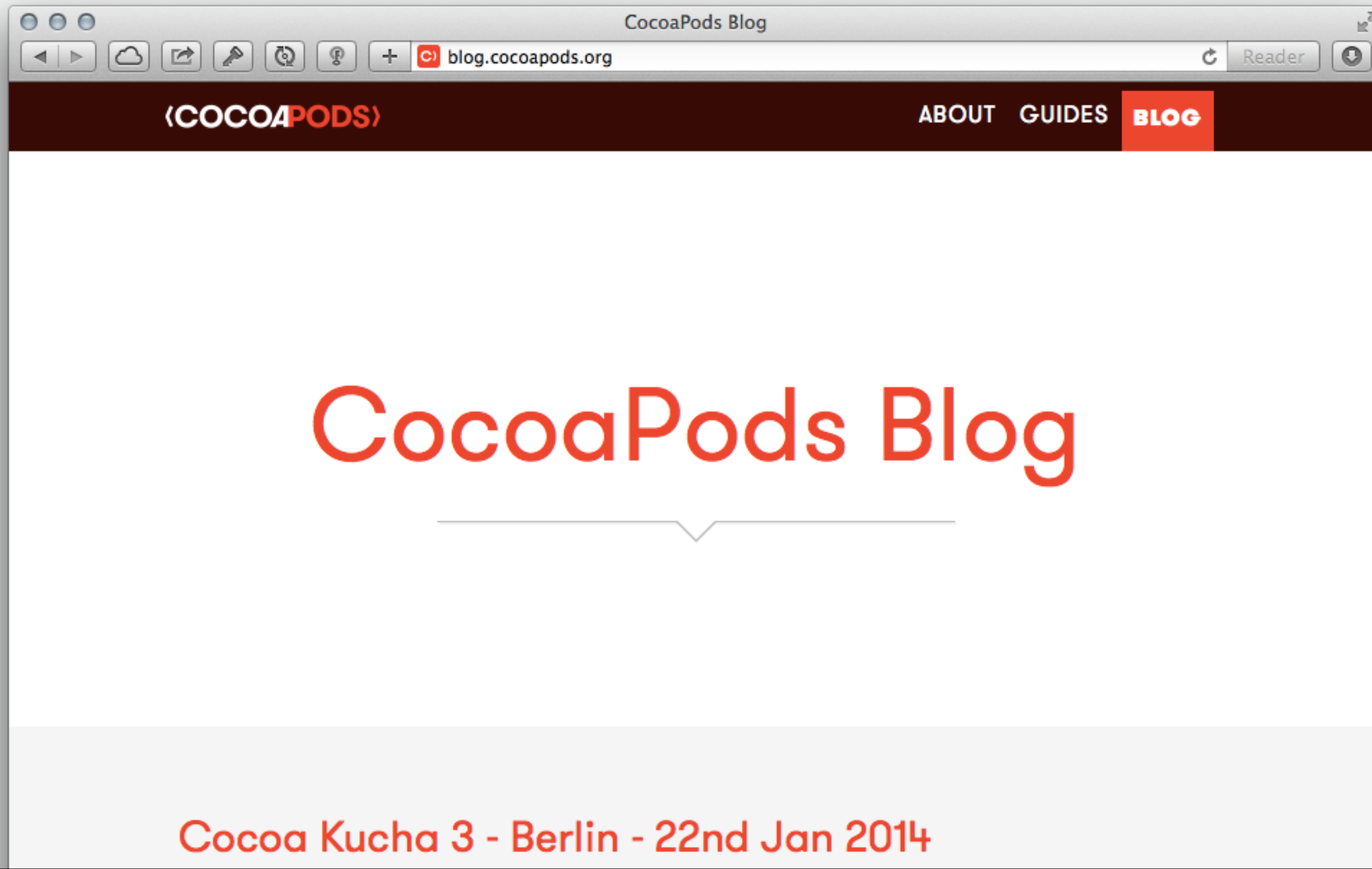
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BLOG





The screenshot shows a web browser window with the title "CocoaPods 0.29 - CocoaPods Blog". The address bar contains "blog.cocoapods.org/CocoaPods-0.29/". The page content includes a large red heading "CocoaPods 0.29", a TL;DR summary, a paragraph of text, a subheading "Pod Try", and another paragraph of text. On the right side, there is a circular profile picture of Fabio Pelosin, his name, and the date "24 December 2013".

CocoaPods 0.29 - CocoaPods Blog

blog.cocoapods.org/CocoaPods-0.29/ Reader

CocoaPods 0.29

TL;DR: CocoaPods 0.29 introduces the pod try subcommand, the social media URL podspec attribute & complete inhibition of header warnings.

Every now and then we hear about tiny yet huge feature requests for CocoaPods. Pod try is one of these. Suggested by [Laurent Sansonetti](#), pod try quickly gained a spot among the features of CocoaPods that I love the most. But... What is it?

Pod Try

Pod try is a new subcommand which allows you to quickly launch the demo project of a Pod. It can be used to assess the quality of a library – very useful for user interface elements – or to quickly get up to speed on how to use it.



Fabio Pelosin
24 December
2013

TWITTER

orta CocoaPods

CocoaPods Is following you.

CocoaPods @CocoaPods Unfollow

The dependency manager for Objective-C.

For support please consult the guides: guides.cocoapods.org/using/troubles...

No Location	http://cocoapods.org
Followers 4,994	Following 30
Tweets 3,010	Listed 212

Twitter User #402,676,244. Member Since November 2011.

Flávio J V Caetano @Flavio_Caetano 13h
Just migrated the cocoapod-badges to the Badges organization! Going bigger! @CocoaPods github.com/badges/cocoapo...
Retweeted by CocoaPods

CocoaPods @CocoaPods 1d
i Don't forget to follow @CocoaPodsFeed for new CocoaPod libraries.

CocoaPods @CocoaPods 2d
i - If you're making/editing a Podspec you should add social_media_url to make it easy for people to contact you.

CocoaPods CocoaPodsFeed

CocoaPods New Pods Is following you.

CocoaPods New Pods @CocoaPodsFeed Unfollow

Get information on the latest @CocoaPods pods.

More info: feeds.cocoapods.org

RSS: feeds.cocoapods.org/new-pods.rss

No Location	http://cocoapods.org
Followers 800	Following 8
Tweets 471	Listed 24

Twitter User #2,178,928,094. Member Since November 2013.

CocoaPods New Pods @CocoaPodsFeed 6h
[Ornament] Ornament is a set of APIs used to provide visual ornamentation for iOS apps. github.com/jordanekay/Orn...

CocoaPods New Pods @CocoaPodsFeed 14h
[UIDevice+BlurEnabled] UIDevice category to check whether blur is enabled. github.com/djmadcat/UIDev...

CocoaPods New Pods @CocoaPodsFeed 14h
[LAPickerView] Horizontal spinning wheel picker view for iOS. github.com/

UPDATING THE GEM

```
~/s/i/Eskimote (master ↻) gem install cocoapods  
Fetching: cocoapods-0.29.0.gem (100%)
```

CHANGELOG:

```
## 0.29.0  
[CocoaPods](https://github.com/CocoaPods/CocoaPods/compare/0.28.0...0.29.0)  
• [CocoaPods-core](https://github.com/CocoaPods/Core/compare/0.28.0...0.29.0)  
• [cocoapods-downloader](https://github.com/CocoaPods/cocoapods-downloader/compare/0.2.0...0.3.0)
```

Breaking

- * The command `podfile_info` is now a plugin offered by CocoaPods. As a result, the command has been removed from CocoaPods.
[Joshua Kalpin](https://github.com/Kapin)
[#1589](https://github.com/CocoaPods/CocoaPods/issues/1589)
- * JSON has been adopted as the format to store specifications. As a result the `pod ipc spec` command returns a JSON representation and the YAML specifications are not supported anymore. JSON specifications adopt the `.podspec.json` extension.
[Fabio Pelosin](https://github.com/irrationalfab)
[#1568](https://github.com/CocoaPods/CocoaPods/pull/1568)

Enhancements

CHANGELOG

The screenshot shows a web browser window displaying the GitHub repository page for CocoaPods/CHANGELOG.md. The browser's address bar shows the URL: `github.com/CocoaPods/CocoaPods/blob/master/CHANGELOG.md`. The repository name is **CocoaPods / CocoaPods**, with 249 watchers, 3,535 stars, and 530 forks. The current branch is **master**. A commit by **alloy** 17 days ago is highlighted, with the message: **[CHANGELOG] Document fix to pod lib template.** Below the commit message, it lists **39 contributors** with their profile pictures. The file information shows **2066 lines (1535 sloc)** and **85.389 kb**. Action buttons include **Open**, **Edit**, **Raw**, **Blame**, **History**, and **Delete**. The main content area features a section titled **Installation & Update** with the text: **To install or update CocoaPods see this [guide](#).** Below this, the version **0.29.0** is displayed. At the bottom, there are links for **CocoaPods**, **CocoaPods-core**, and **cocoapods-downloader**, followed by a **Breaking** section header.

What is New?

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WHAT IS NEW?

PLUGINS

TRUNK

DESIGN

```
pod browse ARAnalytics
```

```
pod doc FLKAutoLayout
```

```
pod try ORStackView
```

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WHAT IS NEW?

PLUGINS

TRUNK

DESIGN

- › Centralised authentication server
- › Handles taking a JSON Podspec and merging into the Specs repo

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TRUNK

The screenshot shows a web browser window displaying a GitHub repository page. The browser's address bar shows the URL: `github.com/alloy/cocoapods-trunk/blob/master/lib/pod/command/trunk.rb`. The repository name is `alloy / cocoapods-trunk`. The current file being viewed is `cocoapods-trunk / lib / pod / command / trunk.rb` on the `master` branch. A commit by `orta` from 15 days ago is highlighted, with the message "fix crash when no user credentials exist". The file statistics show 128 lines (101 sloc) and 3.825 kb. The code content is as follows:

```
1 require 'json'
2 require 'rest'
3 require 'netrc'
4
5 module Pod
6   class Command
7     class Trunk < Command
8       self.abstract_command = true
9       self.summary = 'Interact with trunk.cocoapods.org'
10
11     private
12
13     BASE_URL = 'https://trunk.cocoapods.org/api/v1'
14
```

TRUNK

trunk.cocoapods.org-test/Specs/Analytics/0.9.1/Analytics.podspec.json at master · alloy/trunk.cocoapods.org-test

github.com/alloy/trunk.cocoapods.org-test/blob/master/Specs/Analytics/0.9.1/Analytic

This repository Search or type a command Explore Gist Blog Help orta

alloy / trunk.cocoapods.org-test Watch 0 Star 0 Fork 1

branch: master trunk.cocoapods.org-test / Specs / Analytics / 0.9.1 / Analytics.podspec.json

alloy 10 days ago [Add] Analytics 0.9.1

1 contributor

file | 43 lines (43 sloc) | 0.923 kb Open Edit Raw Blame History Delete

```
1 {
2   "name": "Analytics",
3   "version": "0.9.1",
4   "summary": "Segment.io analytics and marketing tools library for iOS.",
5   "homepage": "https://segment.io/libraries/ios",
6   "license": {
7     "type": "MIT",
8     "file": "License.md"
9   },
10  "authors": {
11    "Segment.io": "friends@segment.io"
12  },
13  "source": {
14    "http": "https://s3.amazonaws.com/segmentio/releases/ios/Analytics-0.9.1.zip",
```

WHAT IS NEW?

PLUGINS

TRUNK

DESIGN



⟨COCOPODS⟩

WHAT IS NEW?

PLUGINS

TRUNK

DESIGN

**COCOA
KUCHA**

WHAT IS NEW?

PLUGINS

TRUNK

DESIGN



Roadmap

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ITERATIVE DEPENDENCY RESOLVER

- › Create a recursive dependency graph, looking through history
- › This means that very complex dependencies can be automated

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OSX SANDBOXING

- › Exists since 0.20 as `sandbox-pod`
- › CocoaPods only has access to project folder

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POD EDIT COMMAND

- › Simplify contributing back to open source
- › Convert the local pod into a forked remote that uses symlinks allowing edits

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POD ANALYTICS

- › Built into CocoaPods command line tool
- › Provide download / install numbers

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SPECS REPO JSON SWITCH

- › No more executable code coming from external sources
- › Means the “CocoaPods API” redirects to github as the canonical source for files
- › In action from 0.29 with pod push

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OFFICIAL COCOAPODS API

- › Documented fast search API
- › Related metadata on-top for CocoaPods
- › Web hooks for external services

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COCOAPODS.ORG V2

- › Should be able to find the right pod on one page
- › Each pod will have its own page
- › Search will provide large amounts of context
- › Push Notifications for Pod updates

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COCOAPODS.ORG SEARCH V2

- Inline READMEs
- Relative Popularity
- Github stars / forks
- Project maturity
- Release cycle
- Related Projects
- Screenshots
- Improved Attribution
- *Comments (maybe)*

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COCOADOCS.ORG V2

- › Re-think design.
- › Improve DocSets support
- › Improved error handling

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Note

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CocoaPods Guides - Podspec Syntax Reference

guides.cocoapods.org/syntax/podspec.html#social_media_url

Reader

⟨COCOPODS⟩ ABOUT **GUIDES** BLOG

Podspec Syntax Reference

Specification

- Root specification
- name
- version
- authors
- social_media_url**
- license
- homepage
- source
- summary

social_media_url

The URL for the social media contact of the Pod, CocoaPods web services can use this.

For example, the @CocoaPodsFeed notifications will include the Twitter handle (shortening the description) if the URL is relative to Twitter. This does **not** necessarily have to be a Twitter URL, but only those are included in the Twitter @CocoaPodsFeed notifications.

Examples:

```
spec.social_media_url = 'https://twitter.com/cocoapods'
```

```
spec.social_media_url = 'https://groups.google.com/forum/#!forum/cocoapods'
```

Thanks

@orta / @CocoaPods / @CocoaPodsFeed

<COCOAPODS>

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