

Pedal  
TO THE  
METAL

ESTEBAN TORRES · CORE CLIENTS @ SOUNDCLOUD · @ESTTORHE



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# CONTEXIT

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# PLANNING

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# iOS BRANCH

# Core clients



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# IMPOSSIBILITY

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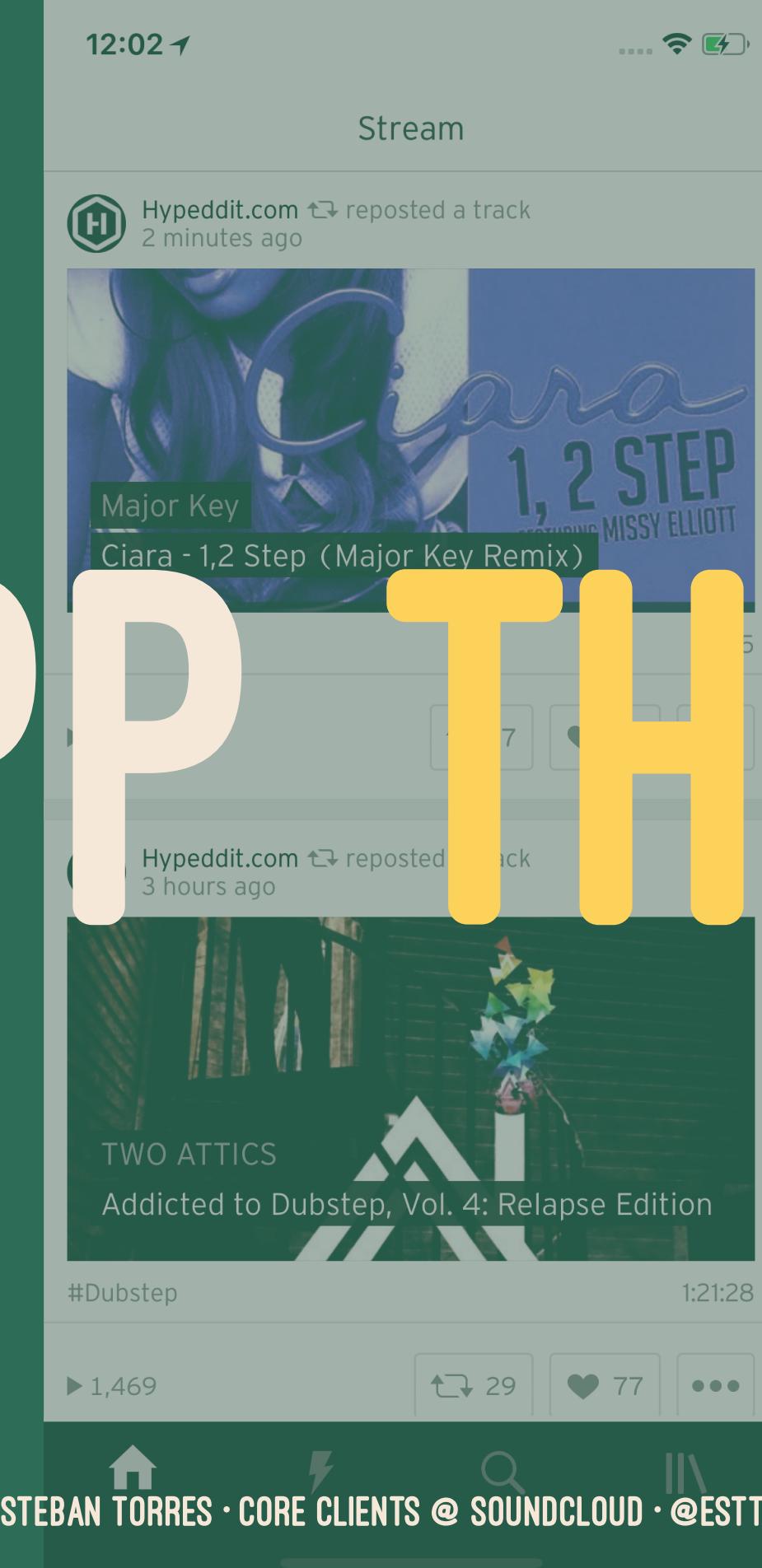
over  
5 seconds



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# context

# APP THEN



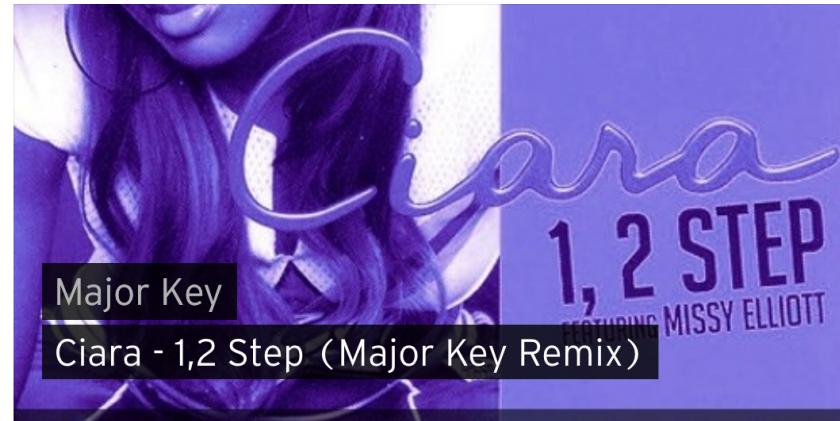
12:02 ↗



## Stream



Hypedit.com ↗ reposted a track  
2 minutes ago



4:35

▶ 63

🔁 7

❤️ 10



Hypedit.com ↗ reposted a track  
3 hours ago



#Dubstep

1:21:28

▶ 1,469

🔁 29

❤️ 77



12:02 ↗



Home

## SoundCloud Weekly

All of SoundCloud. Just for you.

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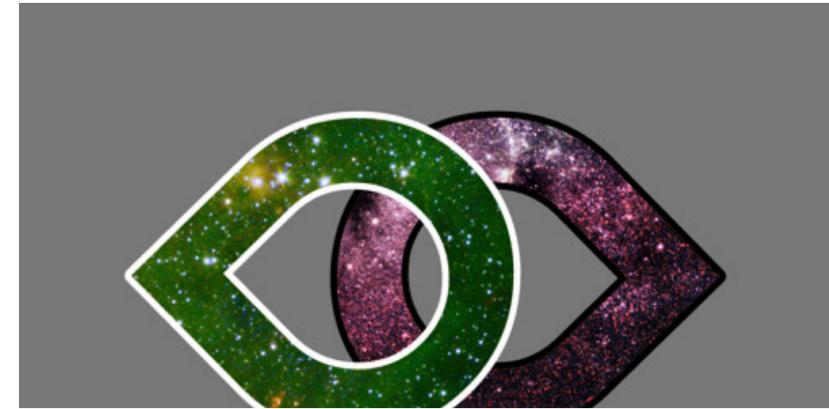
12:02 ↗



Home

## SoundCloud Weekly

All of SoundCloud. Just for you.



Based on your listening history

## More of what you like

Suggestions based on what you've liked or played



Felix K - 17.7.2016 Rur...  
Related tracks



The Essential Mix for...  
Related tracks



RA.639 Paquita Gordon  
Related tracks

12:02 ↗



## Stream



Hypedit.com ↗ reposted a track  
2 minutes ago



4:35

▶ 63

🔁 7

❤ 10



Hypedit.com ↗ reposted a track  
3 hours ago



#Dubstep

1:21:28

▶ 1,469

🔁 29

❤ 77



MORE  
CONTEXT

INSTRUMENT \* CORE \* TRACK ATTRIBUTE target

All

Instruments

Threads

CPUs

00:00:500

00:01:000

00:01:500

42 Graphs

(+)

Interactive Load (10ms)

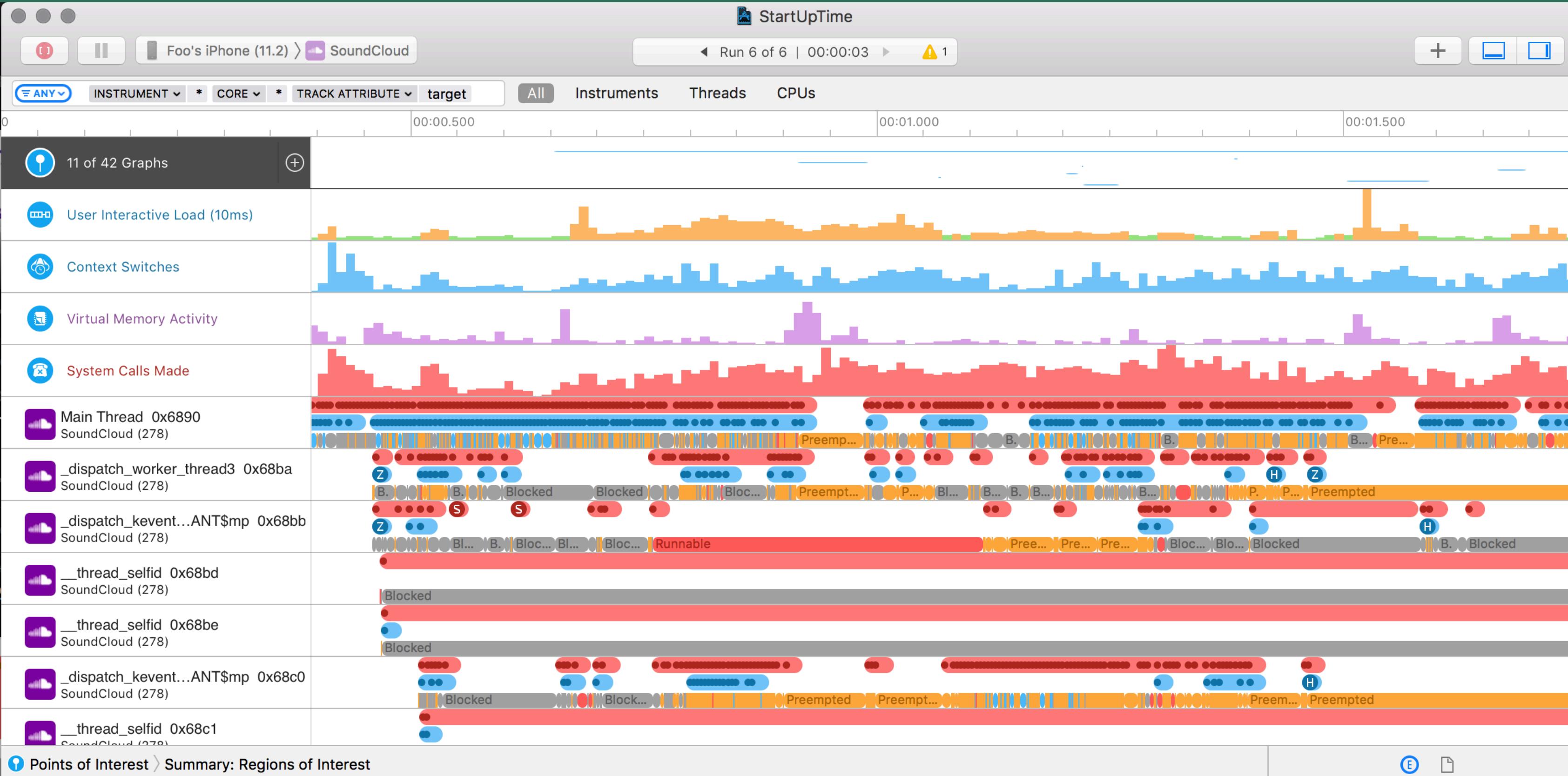
Text Switches

Virtual Memory Activity

System Calls Made

Thread 0x6890  
Cloud (278)watch\_worker\_thread3 0x68ba  
Cloud (278)watch\_kevent...ANT\$mp 0x68bb  
Cloud (278)read\_selfid 0x68bd  
Cloud (278)read\_selfid 0x68be  
Cloud (278)watch\_kevent...ANT\$mp 0x68c0  
Cloud (278)read\_selfid 0x68c1  
Cloud (278)

# Instruments







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# MAIN THREAD

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# HOW ABOUT THAT ViewController

EVEN MORE  
CONTEXT

# Mirroring & you

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Total pre-main time: 2.0 seconds (100.0%)  
    dylib loading time: 355.67 milliseconds (17.0%)  
    rebase/binding time: 1.3 seconds (63.5%)  
    ObjC setup time: 186.10 milliseconds (8.9%)  
    initializer time: 218.53 milliseconds (10.4%)  
slowest intializers :  
    libSystem.dylib :   5.52 milliseconds (0.2%)  
                      <Redacted> : 51.01 milliseconds (2.4%)  
                      MediaServices : 57.60 milliseconds (2.7%)  
                      SoundCloud : 182.43 milliseconds (8.7%)

# ENTER STATIC FRAMEWORKS

Total pre-main time: 563.45 milliseconds (100.0%)  
dylib loading time: 111.39 milliseconds (19.7%)  
rebase/binding time: 151.48 milliseconds (26.8%)  
ObjC setup time: 148.33 milliseconds (26.3%)  
initializer time: 152.08 milliseconds (26.9%)  
slowest intializers :  
    libSystem.dylib :     3.37 milliseconds (0.5%)  
    <Redacted> :     46.06 milliseconds (8.1%)  
    MediaServices :     25.92 milliseconds (4.6%)  
    SoundCloud :     148.34 milliseconds (26.3%)

# TAKEAWAYS

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# 1. PARALLELIZE\*

\* ALSO WITH CARE

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2. INSTRUMENTS is your friend

# 3. STATIC FRAMEWORKS\*

\* ALSO WITH CARE

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# 4. ASSUME NO ill-intention

# LINKS

- › AUTOMATIC'S BLOGPOST ABOUT static frameworks<sup>1</sup>
  - › KEITH SMILEY'S LD python SCRIPT<sup>2</sup>
  - › CocoaPods 1.5.0 RELEASE NOTES<sup>3</sup>

<sup>1</sup> [HTTPS://BLOG.AUTOMATIC.COM/HOW-WE-CUT-OUR-IOS-APPS-LAUNCH-TIME-IN-HALF-WITH-THIS-ONE-COOL-TRICK-7ACA2011E2EA](https://blog.automatic.com/how-we-cut-our-ios-apps-launch-time-in-half-with-this-one-cool-trick-7aca2011e2ea)

<sup>2</sup> [HTTPS://GITHUB.COM/KEITH/SWIFT-STATICLIBS](https://github.com/keith/swift-staticlibs)

<sup>3</sup> [HTTP://BLOG.COCOAPODS.ORG/COCOAPODS-1.5.0/](http://blog.cocoapods.org/CocoaPods-1.5.0/)

# MULȚUMESC

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