# Mobile App Analytics

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02. Dezember 2014



## CA helps drive the Application Economy

#### CA DEFINED THE APM MARKET

**ACTUAL CUSTOMER USE CASES** 

**Enterprise Customers** 

1,000+

Across the World

APM Market

14 years

Dominance

Patents

**80+** 

Focused on APM Innovation

Telco A captures

144 Billion

Metrics a Day

Online Tax Company

2.5 Million

**Concurrent Customer Sessions** 

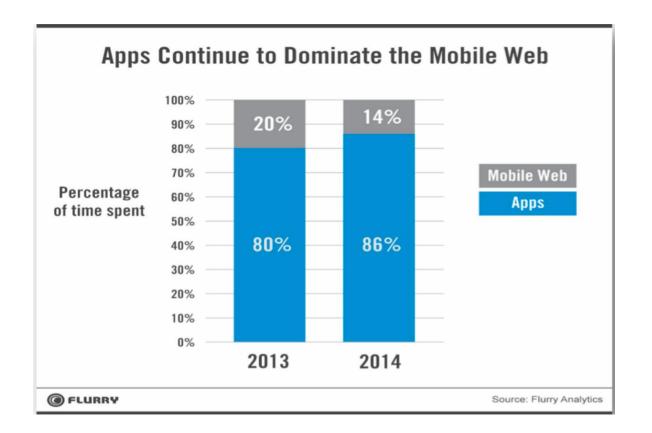
**Leading Technology Vendor** 

25,000

Agents/JVM Deployed



## Native apps continue their rule...





## The World in 2014 as we know it...

Number of Mobile App downloads as of July

150B+

33 Average # of Mobile App downloads per phone

Number of apps in App Stores 3,000,000+

\$ 26B+ App Store revenue in 2013



## Great, We Have Installs! But wait...

**19%** Never run your app more than once...

User who will never reach  $\mathbf{5}$  runs of your app:  $\mathbf{45}\%$ 

**94%** No longer running your app after 30 days!

# Our job is far from done...



## **Achieving and Maintaining Engagement...**

15 Number of Mobile Apps used regularly per week

Users demanding good app performance

**65**%

82% deleted an app due to crashes or poor performance

## Tougher than ever!



## CA Mobile App Analytics Goals



- Delight customers
  - Deliver great experiences, Improve with analytics
  - Provide world-class support
- Proactive problem resolution
  - Alerts on early signs of trouble
  - Accurate understanding of issue
- Deliver high value
  - Understand behavior, Apply real-time intelligence
  - Fail fast, iterate quickly



## Mobile Challenges: Answer Key Questions

Visualise, Understand Impact and be Proactive

Who is using our apps?

Where and When are they being used?

What are my users doing with our apps?

What is their experience like?

Can I Help users get more value?





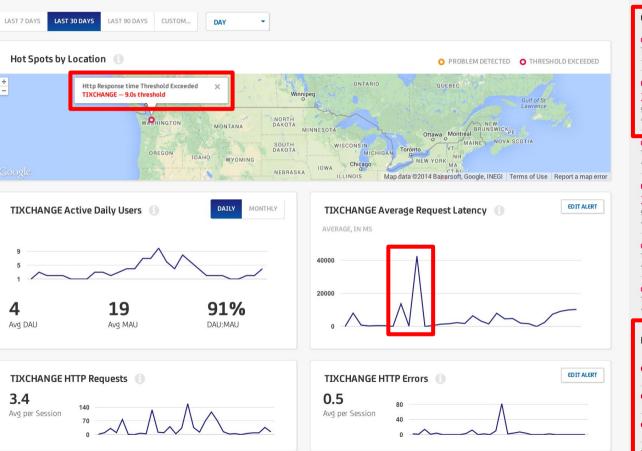


ANALYTICS

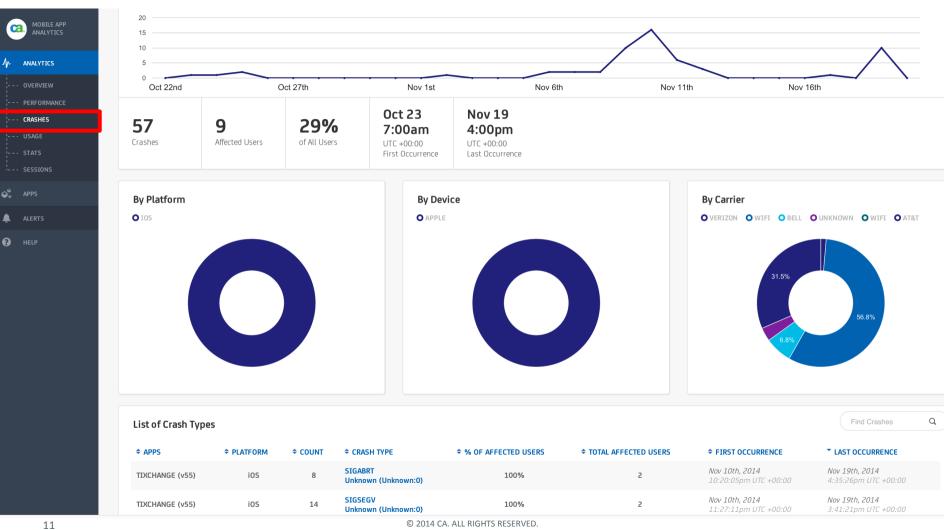
OVERVIEW

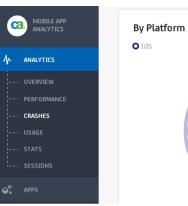
--- PERFORMANCE

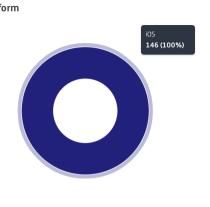




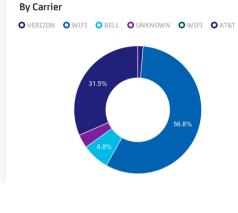












#### List of crash incidents

<b>‡</b> DATE	APP NAME	APP VERSION	CRASH TYPE	PLATFORM	PLATFORM VERSION	DEVICE MAKE	DEVICE MODEL	CONNECTION TYPE
Nov 10th, 2014 10:20:05pm UTC +00:00	TIXCHANGE	55	SIGABRT	iOS	8.1	Apple	iPhone	AT&T
Nov 10th, 2014 11:23:41pm UTC +00:00	TIXCHANGE	55	SIGABRT	iOS	8.1	Apple	iPhone	AT&T
Nov 19th, 2014 3:43:05pm UTC +00:00	TIXCHANGE	55	SIGABRT	iOS	8.1	Apple	iPhone	WiFi
Nov 19th, 2014 3:44:40pm UTC +00:00	TIXCHANGE	55	SIGABRT	iOS	8.1	Apple	iPhone	WiFi
Nov 19th, 2014 3:51:38pm UTC +00:00	TIXCHANGE	55	SIGABRT	iOS	8.1	Apple	iPhone	WiFi
Nov 19th, 2014 4:05:35pm UTC +00:00	TIXCHANGE	55	SIGABRT	iOS	8.1	Apple	iPhone	WiFi
Nov 19th, 2014 4:25:15pm UTC +00:00	TIXCHANGE	55	SIGABRT	iOS	8.1	Apple	iPhone	WiFi

By Device

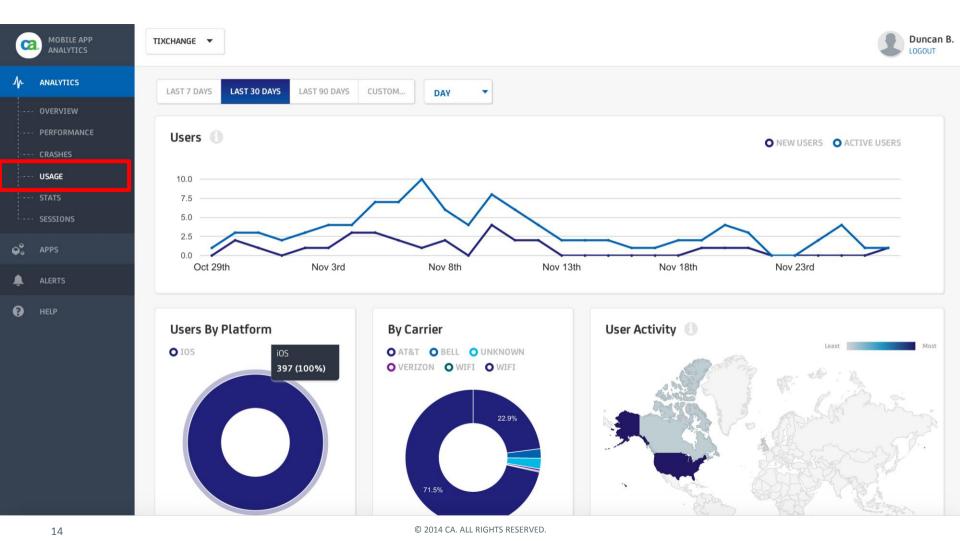
Halmania (Halmania)

```
Stack Trace
Incident Identifier: TODO
         CrashReporter Key:
                              TODO
                                                                                                                                             Duncan B.
         Hardware Model:
                              iPhone6
         Process:
                          CrashTest [1045]
         Path:
                          /var/mobile/Applications/5A41EF98-CC88-41C3-B832-6ADD75634D38/CrashTest.app/CrashTest
                                                                                                                                     Q CRASH DETAILS
         Identifier:
                          com.ca.CAMobility.CrashTest
         Version:
                          1.0
         Code Type:
                          ARM
                                                                                                                                             Q
         Parent Process: launchd [1]
         Date/Time:
                          2014-03-18 15:12:27 +0000
                          iPhone OS 7.1 (11D167)
         OS Version:
         Report Version: 104
         Exception Type: SIGABRT
         Exception Codes: #0 at 0x3be741f0
         Crashed Thread: 0
         Application Specific Information:
         *** Terminating app due to uncaught exception 'NSRangeException'
 reason: '*** -[ NSArravI objectAtIndex:]: index 23 beyond bounds for empty array'
         Last Exception Backtrace:
             CoreFoundation
                                                  0x3112ef03 <redacted> + 130
             libobjc.A.dylib
                                                  0x3b8bfce7 objc exception throw + 38
             CoreFoundation
                                                 0x31065331 -[ NSArrayI objectAtIndex:] + 176
             CrashTest
                                                  0x000912b3 -[ViewController arrayExceptionAction:] + 94
                                                 0x339936c7 -[UIApplication sendAction:to:from:forEvent:] + 90
             UIKit
            UIKit
                                                  0x33993663 -[UIApplication sendAction:toTarget:fromSender:forEvent:] + 38
             UIKit
                                                  0x33993633 -[UIControl sendAction:to:forEvent:] + 46
            UIKit
                                                 0x3397ed7b -[UIControl _sendActionsForEvents:withEvent:] + 374
            UIKit
                                                  0x3399307b -[UIControl touchesEnded:withEvent:] + 594
             UIKit
                                                 0x33992d4d -[UIWindow _sendTouchesForEvent:] + 528
            UIKit
                                                  0x3398dca7 -[UIWindow sendEvent:] + 758
            UIKit
         11
                                                  0x33962e75 -[UIApplication sendEvent:] + 196
            UIKit
                                                  0x33961541 <redacted> + 7120
            CoreFoundation
                                                  0x310f9fe7 < redacted > + 14
            CoreFoundation
                                                  0x310f94af <redacted> + 206
                                                 0x310f7c9f <redacted> + 630
             CoreFoundation
            CoreFoundation
                                                  0x310627a9 CFRunLoopRunSpecific + 524
             CoreFoundation
                                                  0x3106258b CFRunLoopRunInMode + 106
             GraphicsServices
                                                  0x35fbf6d3 GSEventRunModal + 138
```

0x339c1891 UIApplicationMain + 1136

19

UIKit







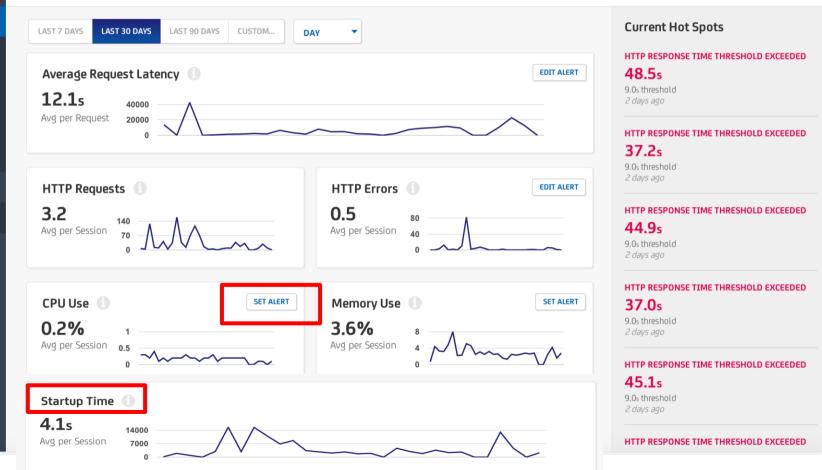


ANALYTICS

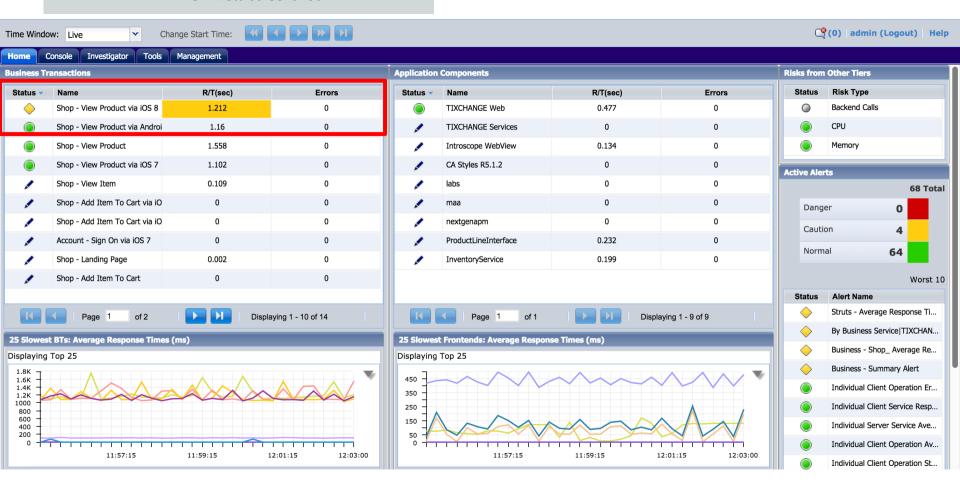
PERFORMANCE

TIXCHANGE ▼



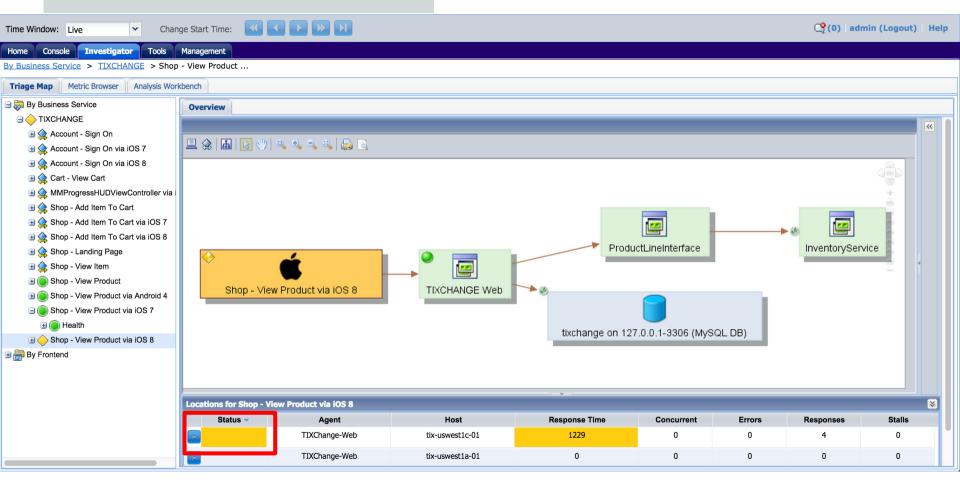


#### APM 9.7 Beta screenshot



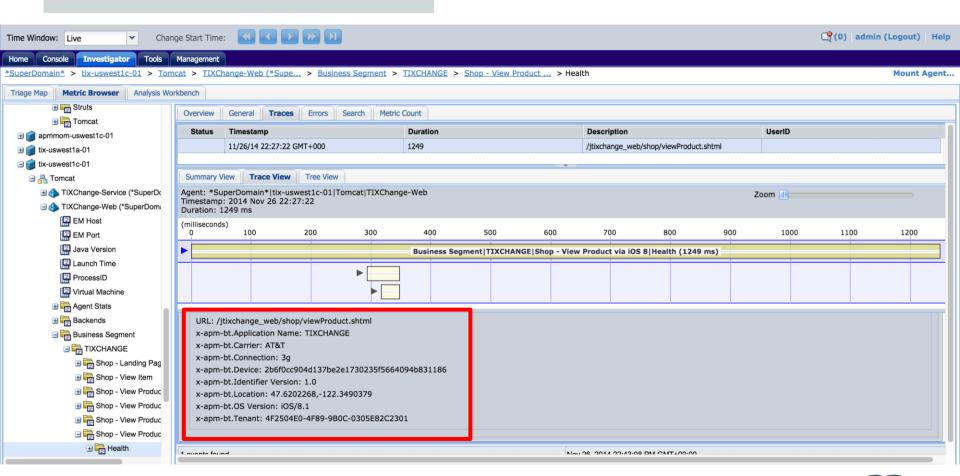
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#### APM 9.7 Beta screenshots



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#### APM 9.7 Beta screenshots





## **Key Advantages**

# EASE-OF-USE, QUICK TIME TO VALUE

Simple sign-up, 'no touch' app wrapping

# 360° MOBILE INFRASTRUCTURE MONITORING

App, network, servers, database, mainframe, synthetic

# ON-PREMISE, SAAS AND FREEMIUM OPTION

Check out TRIALS.CA.COM

### COMPREHENSIVE SOLUTION FOR ENABLING MOBILITY

Dev, test, operations, support



# Mobile App Analytics

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