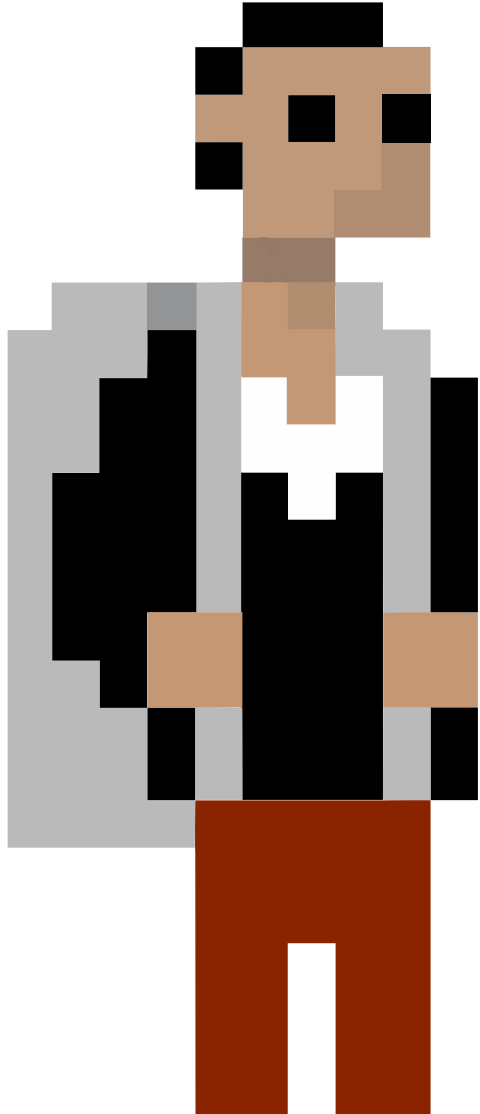
A man with a beard and glasses, wearing a blue shirt, is seated in the background, slightly out of focus. In the foreground, there is a large group of brown stuffed monkeys, with one in sharp focus in the center. The scene is indoors, with a window and some foliage visible in the background.

Motz Codes Live

@JamesMontemagno
motzcod.es

Building your first Xamarin.UITest!
August 14, 2015

Who is Motz?



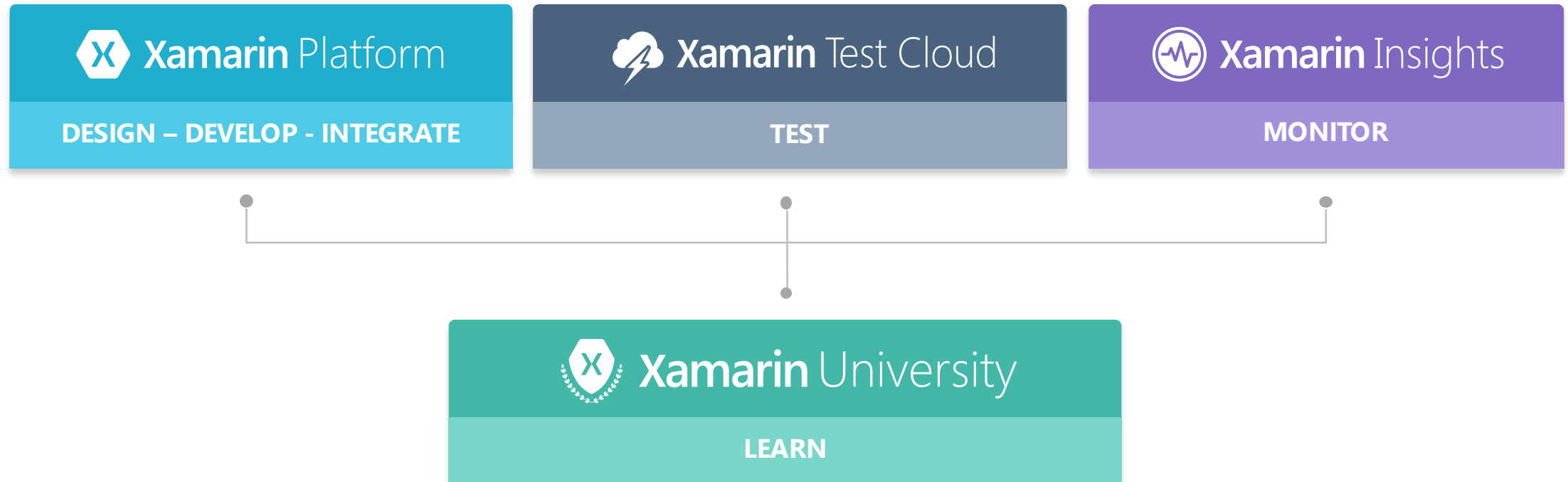
James
Montemagno
Developer Evangelist, Xamarin

james@xamarin.com

motzcod.es

[@JamesMontemagno](https://twitter.com/JamesMontemagno)

Xamarin – Your Complete Mobile Solution



Mobile Quality Challenges

Challenges



Device Fragmentation

App Complexity

Fast Release Cycles

Short Sessions

High Mobile User Expectations

On Mobile, Quality is Hard



5 OS versions
20 Devices
20 Languages
35 Locales
6 Screen sizes



9 OS versions
24K+ Distinct devices
39 Languages
57 Locales
27 Screen sizes
1,294 Brands
6 Screen configurations





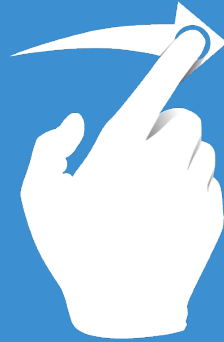
OpenSignal



Tap



Scroll



Swipe



Pinch



Multi Finger



Text Entry



Rotation



GPS



Language

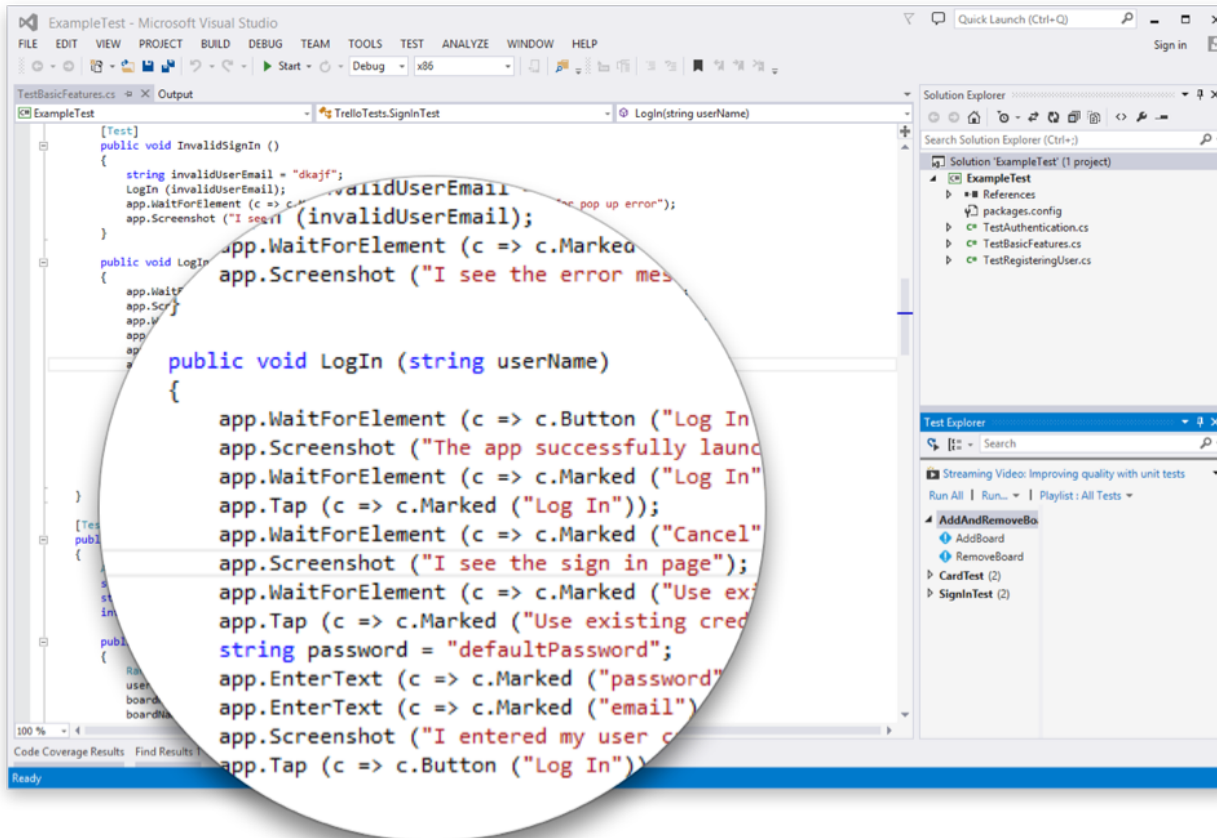


Currency



Network Condition
(coming soon)

Introducing Xamarin.UITest



Create Automated User Interface tests all in C#

Upload to the Test Cloud or run against a Device or Simulator

Run directly from Visual Studio or Xamarin Studio

FREE to use a Simulator*

Works on ANY app: Native, Hybrid, or Xamarin

Let's build our first Xamarin.UI TEST!



Xamarin Test Cloud

xamarin.com/testcloud

The screenshot displays the Xamarin Test Cloud web interface. The browser address bar shows the URL `https://testcloud.xamarin.com/`. The page header includes the Xamarin Test Cloud logo, navigation links for 'Flipboard' and 'master', the date 'Sep 23, 2014 7:30:39 PM', a 'New Test Run' button, and a user profile for 'Vinicius'.

The main content area is divided into two sections. On the left is a sidebar with a clock icon and the title 'Overview'. It contains a search bar and a list of test results under the heading 'ALL RESULTS'. The results are categorized into 'Sign in' and 'Reading articles'. The 'Sign in' category shows a sequence of steps: 'Given I am on the start screen' (highlighted in blue), 'When I go to the login screen' (marked with a red lightning bolt and '5'), 'And I enter valid credentials', and 'Then I should be logged in'. The 'Reading articles' category shows several steps, most of which are marked with green checkmarks, indicating successful test runs.

On the right side of the interface is a grid of 15 mobile device emulators, each displaying the Flipboard app's 'Welcome to Flipboard' screen. The devices are arranged in three rows of five. Each device is labeled with its model and Android version:

- Row 1: LG Nexus 5 (Android 4.4.2), Samsung Galaxy S II (Android 4.1.2), Samsung Galaxy S III (Android 4.1.2), Samsung Galaxy S Duos (Android 4.0.4), Samsung Galaxy Core (Android 4.1.2).
- Row 2: Samsung Galaxy Grand Duos (Android 4.2.2), Samsung Galaxy S Duos 2 (Android 4.2.2), LG Nexus 4 (Android 4.4.2), HTC One (Android 4.4.2), Samsung Galaxy Note (Android 4.1.2).
- Row 3: (The bottom row of devices is partially visible but not fully labeled in the image).

At the top right of the device grid, there is a search bar and a 'Filter devices' button.

Devices on Demand

Which devices do you want to run?

Top 20 Top 10 Tablets Top 10 Phones Select None X

Sort By

- Market share
- Name
- OS version













Form Factor

- Phone
- Tablet

Manufacturer

- Acer
- Amazon
- Asus
- HP

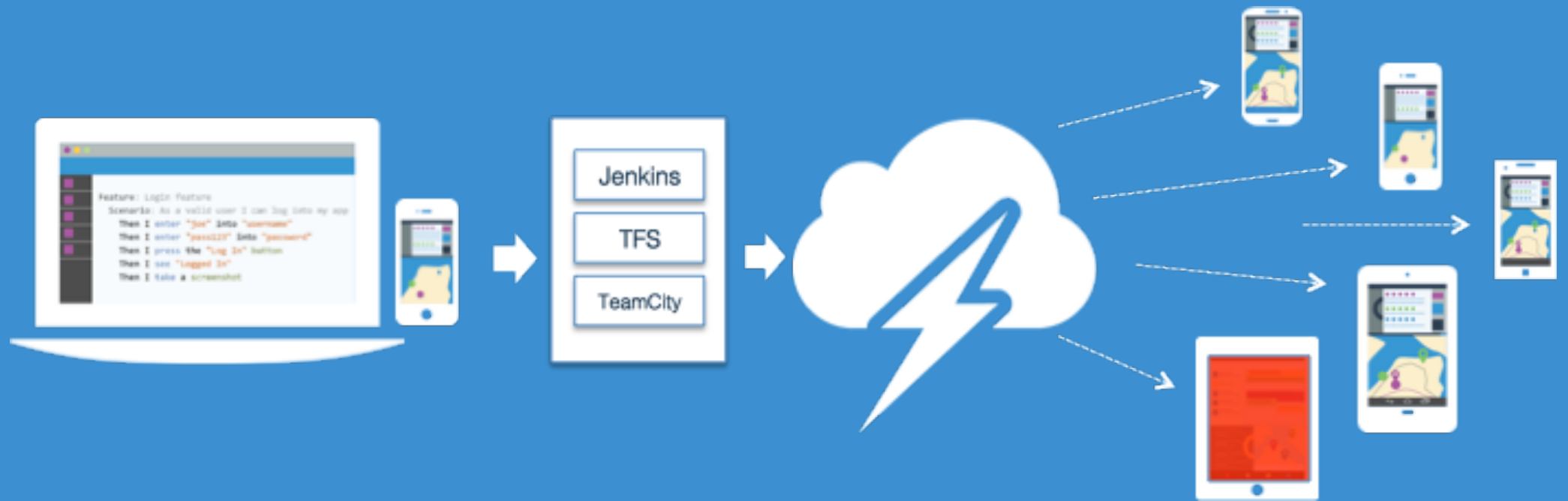
90% worldwide market share

 <p>Samsung Galaxy S III Android 4.3 Market share: 2.492%</p>	 <p>Samsung Galaxy S4 Android 4.4.2 Market share: 2.310%</p>	 <p>Samsung Galaxy Y Android 2.3.6 Market share: 1.409%</p>
 <p>Samsung Galaxy S III Mini Android 4.1.2 Market share: 1.324%</p>	 <p>Samsung Galaxy S4 Android 4.3 Market share: 1.132%</p>	 <p>Samsung Galaxy Note II Android 4.3 Market share: 1.005%</p>
 <p>LG Nexus 5 Android 4.4.2 Market share: 0.980%</p>	 <p>Samsung Galaxy S II Android 4.1.2 Market share: 0.954%</p>	 <p>Samsung Galaxy S III Android 4.1.2 Market share: 0.924%</p>
 <p>Samsung Galaxy S Duos Android 4.0.4 Market share: 0.834%</p>	 <p>Samsung Galaxy Core Android 4.1.2 Market share: 0.827%</p>	 <p>Samsung Galaxy Grand Duos Android 4.2.2 Market share: 0.824%</p>

< Back

Select 20 devices >

Built in Continuous Integration

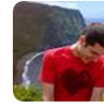


To the Test Cloud!

Win a ticket to Evolve 2016!

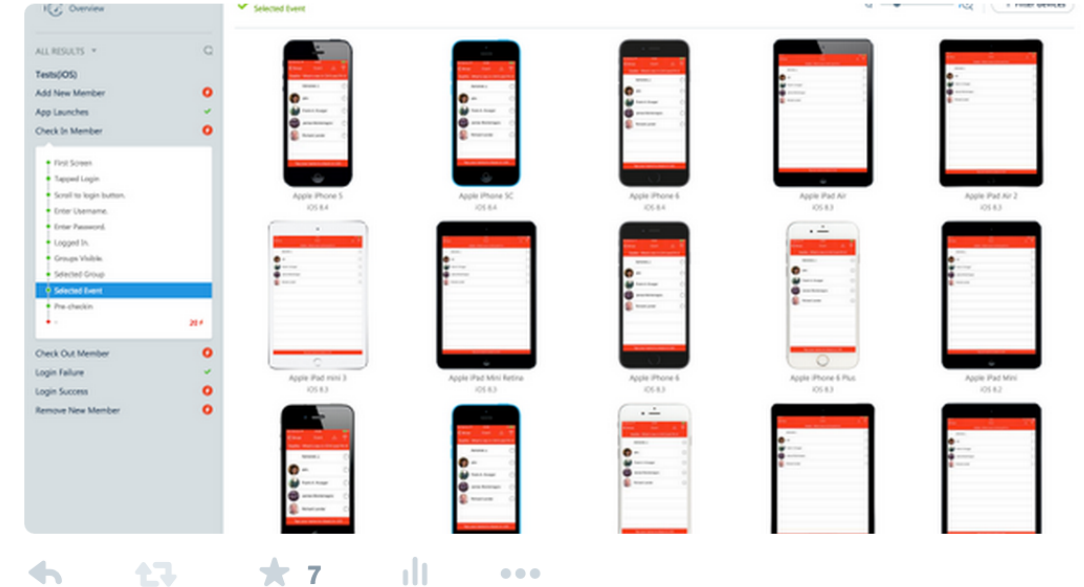
Tweet a photo of an app in Test Cloud and include:

- @XamarinHQ
- hashtag #TestCloud



James Montemagno @JamesMontemagno · Aug 7

I used [@XamarinHQ](#) [#TestCloud](#) to test one of my apps (Meetup Manager)!
github.com/jamesmontemagno...

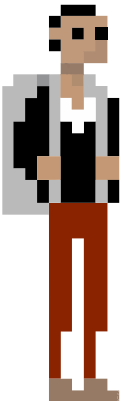


<http://bit.ly/xtc-contest>

Resources

- Xamarin Developer Portal
 - <http://developer.xamarin.com/testcloud/>
- Meetup Manager:
 - <https://github.com/jamesmontemagno/MeetupManager>
- Xamarin.UI & Xamarin Test Cloud Webinar
 - Wednesday, August 26, 2015
 - 8:30 am PT / 11:30 am ET
 - With Steven Yi from Xamarin
 - <http://bit.ly/xtc-august>

Thank you. Questions?



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