



Presented by:  
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SECURING YOUR SMARTPHONES AND TABLETS

# MOBILE COMPUTING



# APPLE REDEFINES THE SMARTPHONE

## IPHONE 6 AND 6 PLUS

4.7 inches  
iPhone 6



5.5 inches  
iPhone 6 Plus



# WHAT DID APPLE ANNOUNCE?

- New models of the iPhone (Available Friday September 19, 2014)
  - iPhone 6 - 4.7" Screen
  - iPhone 6 Plus - 5.5" Screen
  - Both are considered flagship devices
  - Available in 16 GB, 64 GB or 128 GB Storage Options
- Apple Pay
  - Use NFC For Payments
  - Will launch in retailers in October 2014
- Apple Watch
  - Available Early 2015
  - 2 Different Sizes, each available in 3 different watch lines



# COMPARING THE NEW IPHONE 6

	iPhone 6	Samsung Galaxy S5	Samsung Galaxy Alpha	HTC One M8	Motorola X (2013)	Nexus 5
						
Screen Size	4.7"	5.1"	4.7"	5.0"	4.7"	4.95"
Screen Resolution	750×1334 (326 ppi)	1080×1920 (432 ppi)	720×1280 (312 ppi)	1080×1920 (440 ppi)	720×1280 (316 ppi)	1080×1920 (445 ppi)
Height (inches)	5.44"	5.59"	5.21"	5.76"	5.09"	5.42"
Width (inches)	2.64"	2.85"	2.58"	2.78"	2.57"	2.72"
Depth (inches)	.27"	.32"	.26"	.37"	.22"	.33"
Weight (ounces)	4.55 oz	4.93 oz	4.06 oz	5.64 oz	4.59 oz	4.59 oz
Storage	16, 64, 128 GB	16 GB (microSD expansion up to 128 GB)	32 GB	32 GB (microSD expansion up to 128 GB)	16 GB	16 or 32 GB
Camera	8 MP (1.2 MP Front-Facing)	16 MP (2 MP Front-Facing)	12 MP (2.1 MP Front-Facing)	4 MP (5 MP Front-Facing)	10 MP (2 MP Front-Facing)	8 MP (1.3 MP Front-Facing)

# AND THE INTRODUCTION OF A PHABLET - IPHONE 6 PLUS

iPhone 6 Plus



Samsung Galaxy Note 4



LG G3



OnePlus One



Screen Size (inches)	5.5"	5.7"	5.5"	5.5"
Resolution (pixels)	1080×1920 (401 ppi)	1440×2560 (515 ppi)	1440×2560 (534 ppi)	1080×1920 (401 ppi)
Height (inches)	6.22"	6.04"	5.76"	6.02"
Width (inches)	3.06"	3.09"	2.94"	2.99"
Depth (inches)	.28"	.33"	.35"	.35"
Weight (ounces)	6.07 oz	6.21 oz	5.26 oz	5.71 oz
Storage	16, 64, 128 GB	32 GB (microSD expansion up to 128 GB)	16 or 32 GB (microSD expansion up to 128 GB)	16 or 64 GB
Camera (megapixels)	8 MP (1.2 MP Front-Facing)	16 MP (3.7 MP Front-Facing)	13 MP (2.1 MP Front-Facing)	13 MP (5 MP Front-Facing)

# WHO NEEDS A WALLET, I HAVE AN IPHONE!

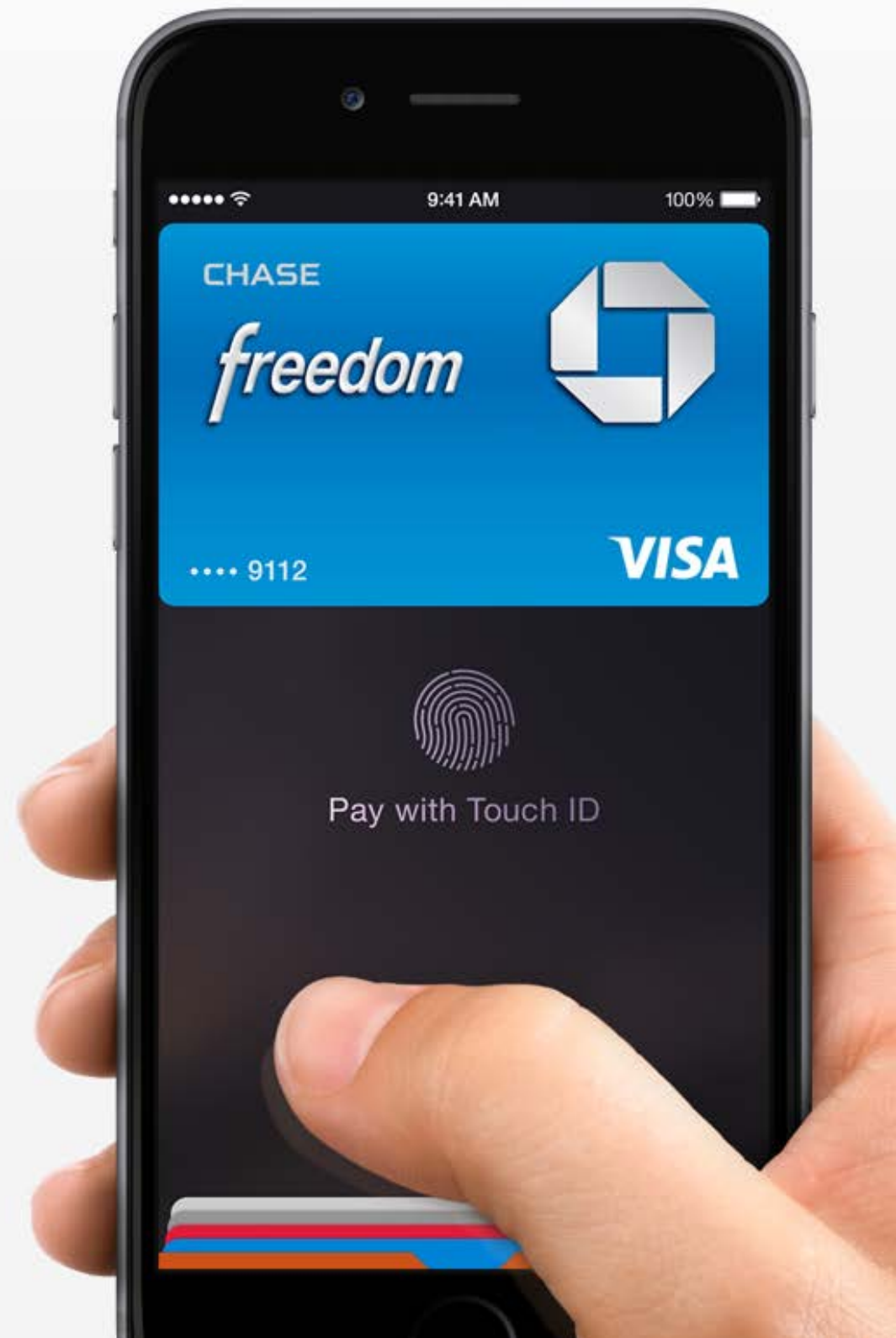


## Your wallet. Without the wallet.

Gone are the days of searching for your wallet. The wasted moments finding the right card. The swiping and waiting. Now payments happen with a single touch.

Apple Pay will change how you pay with breakthrough contactless payment technology and unique security features built right into the devices you have with you every day. So you can use your iPhone 6 to pay in an easy, secure, and private way.

Coming in October



ONE MORE THING!



# FREE U2 ALBUM FOR ALL

A big moment in music history.  
And you're part of it.

Apple and U2 are giving the new album *Songs of Innocence*  
to over 500 million iTunes customers worldwide.

[Learn more >](#)

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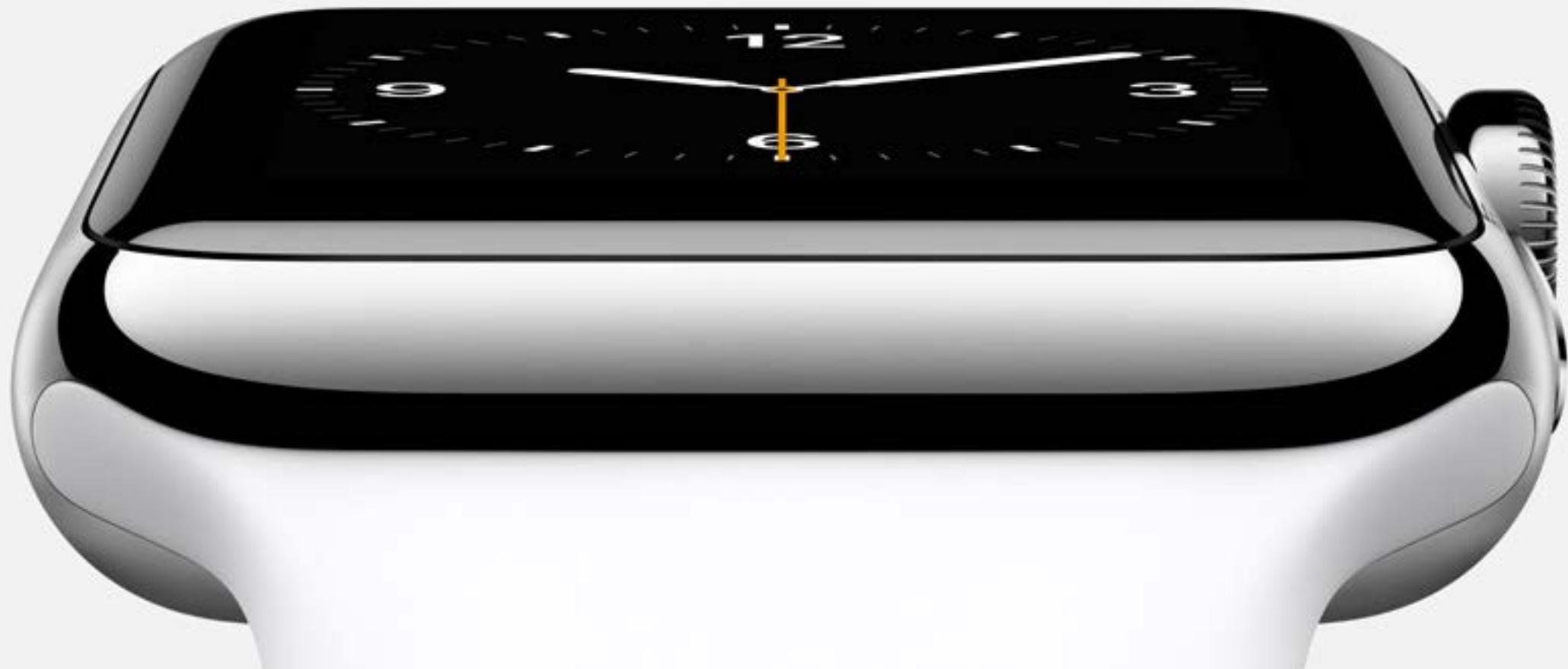


OH YEAH... APPLE ALSO HAS A WATCH

# **WATCH**

Coming Early 2015

[Watch the film](#)  [Experience the keynote](#) 



Technology

Gallery

Films



FIND YOUR STYLE IN THREE DISTINCTIVE COLLECTIONS

**Apple WATCH**



**Apple WATCH SPORT**



**Apple WATCH EDITION**



# DONT FORGET SAMSUNG



## Samsung GALAXY Note<sup>®</sup> 4

The Next Big Thing Is Coming Soon

[PRE REGISTER](#)

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## Samsung GALAXY Note<sup>®</sup> Edge

More To See.  
More To Know.

Be the first to know everything about the Samsung Galaxy Note<sup>®</sup> Edge. Sign up now for exclusive updates.

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# And for the rest of us - iOS 8 - Released 9-17-2014

- Available now for the following devices:
  - iPhones: 4s, 5, 5c, and 5s
  - iPads: iPad 2, iPad with Retina, iPad Mini, iPad Mini with Retina, iPad Air
- Free update
- Requires about 6 GB of free space of Over the Air update

# IOS 8 NEW FEATURES

- Developer Extensions (PDF Converter is example, allows a webpage to be converted to a PDF using the share menu)
- Widgets (Evernote is an example, start new note from the notification center)
- Notification Actions (Developers can allow responses to notifications, for example inline text message response)
- Customizable Keyboards (Replace standard keyboard with 3rd part keyboard, can use swipe gestures for input)
- Messages Enhancements (Leave group messages, mute messages, quickly send voice or picture messages)
- iCloud Drive (Centralized file directory system that stores files in the cloud and can be accessed by all enabled apps)
- Family Sharing (Link up to 6 iTunes accounts together and share purchases, calendars, and photos)
- TouchID Authentication in 3rd Party Apps (Any developer can now use TouchID as password)

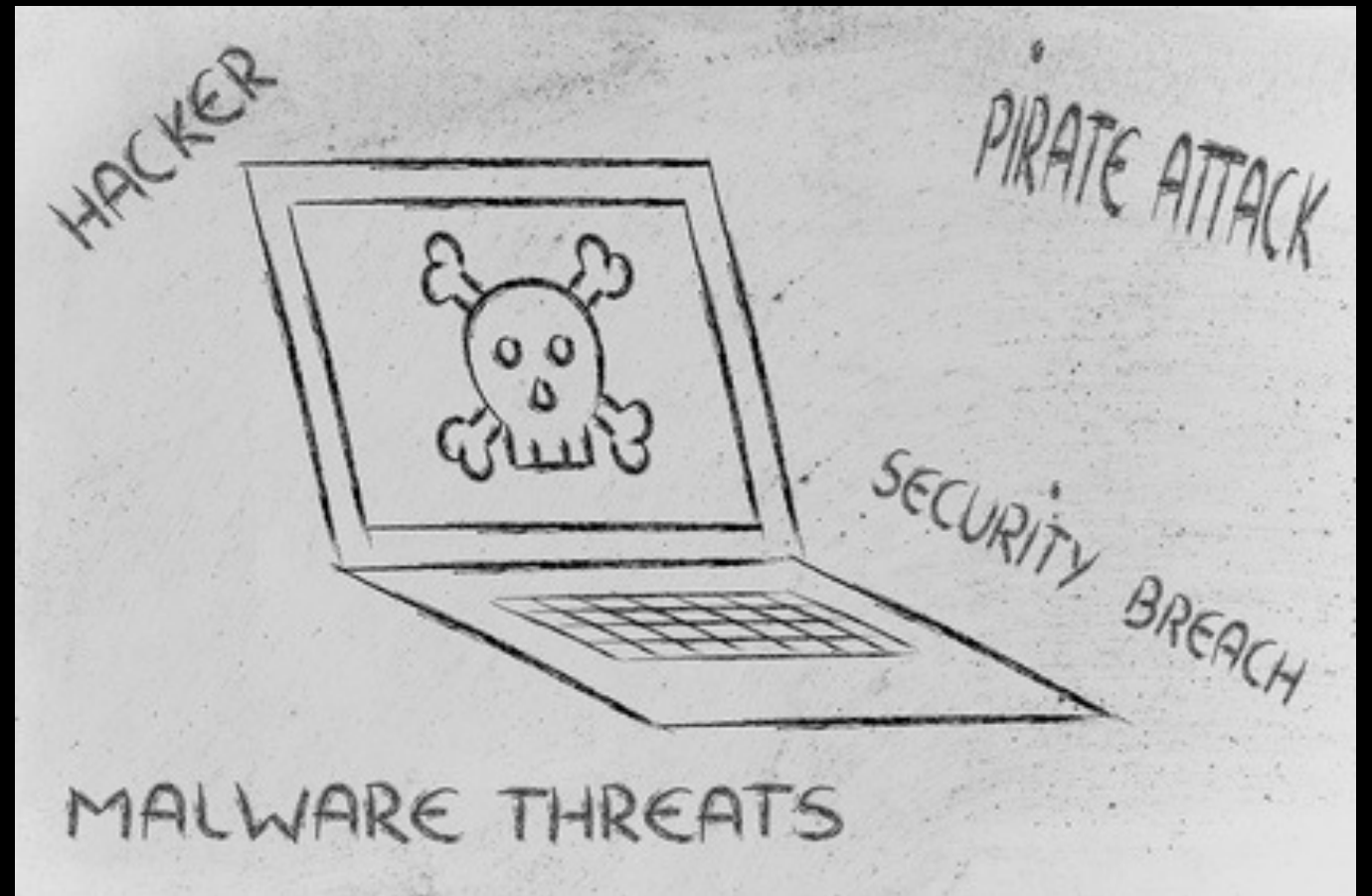
# TIME TO UPGRADE?

- No!
  - If you do not need new feature, wait for first bug release (usually about 2 weeks after initial update)
  - If you do update, backup first!
    - Use iTunes for Backup (in case restore needed)
    - Be careful updating to iCloud Drive (if you will still be using non-updated devices)
  - Use iTunes to update device. If you update over the air on device, you need as 6 GB of free space on your device



NOW THE FUN

# SECURING YOUR MOBILE DEVICE



# WHY IS MOBILE SECURITY IMPORTANT?

- We are ethically required to be competent in our use of relevant technology (Rule 1.1 of Delaware Rules of Professional Conduct);
- We must take reasonable efforts to prevent unauthorized disclosure of information relating to representation of client (Rule 1.6); and
- If we are responsible for managing non-lawyers inside or outside of our firm, we must make reasonable efforts to ensure that nonlawyers take actions to prevent disclosure of confidential client information (Rule 5.3).

# CURRENT ISSUES

- iCloud Drive - Celebrity Pictures
  - Danger of the Cloud (using the cloud competently to protect client data?)
- Home Depot & Target Credit Card Breach
  - Danger of 3rd Party Vendors having access to your network (rule 5.3 violation if client data accessed because of vendors security procedures)
- GMail Account Information Leaked
  - Danger of not changing passwords frequently (competence of securing information)
- What if it was confidential client data?



# WHAT HAS APPLE DONE AFTER ICLOUD LEAK?

- Email notification when iCloud account is accessed from a new device; iCloud password is changed, or iCloud backup is restored to a device
- Apple 2 Factor Authentication now works with iCloud
- Each App that accesses iCloud directly, will be required to have a separate password

# WHAT SHOULD YOU DO? (BEST PRACTICES)

- Choose a secure device
  - Not all devices are updated when security breaches occur, purchase popular flagship models for best chance of updates
  - Consider Google Nexus devices or latest models of iPhones
- Apply updates
- If security risk is identified, determine if you can disable it!

# Make Device Difficult to Access for Others!

- Password Protect (Use strong password)
  - Don't use common passwords (1234, password, etc.)
  - Don't share device with others (never give password to others)
  - Change password frequently
  - Don't use password in front of others!

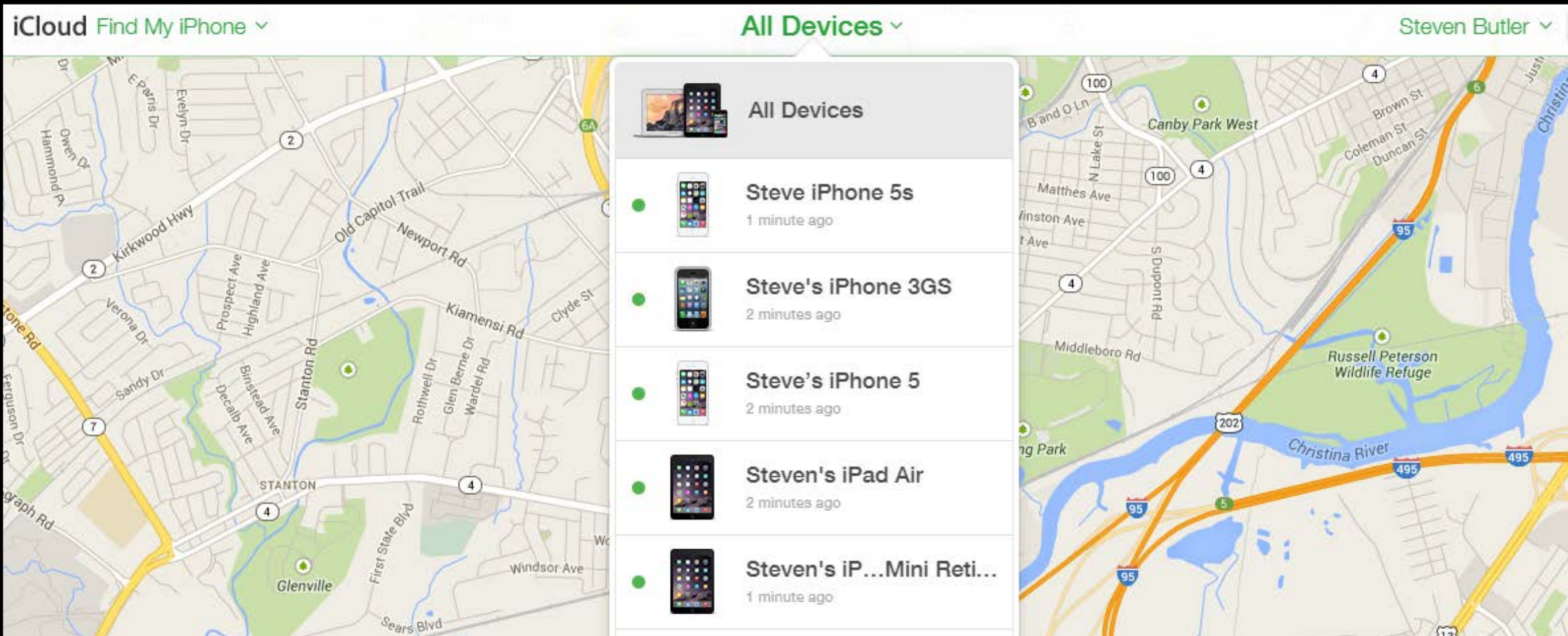


# KNOW WHAT IS ON YOUR DEVICE!

- If you store client data, see if app supports a second password.
- Don't stay logged into apps if you don't have to (cloud services, VPNs, remote desktop, bank apps)
- Don't keep data on your phone or tablet that isn't needed!
- You need to know what information an unauthorized user would have access to if they were able to access your device or backup

# Use Remote Wipe and Remote Track

iCloud Find My iPhone ▾ All Devices ▾ Steven Butler ▾



The screenshot displays the iCloud Find My iPhone interface. At the top, there are three tabs: "iCloud Find My iPhone ▾", "All Devices ▾", and "Steven Butler ▾". The "All Devices" tab is selected, showing a list of five devices. Each device entry includes a green dot indicating its location, a device icon, the device name, and the time since it was last updated. The devices listed are:

- Steve iPhone 5s (1 minute ago)
- Steve's iPhone 3GS (2 minutes ago)
- Steve's iPhone 5 (2 minutes ago)
- Steven's iPad Air (2 minutes ago)
- Steven's iP...Mini Reti... (1 minute ago)

The background of the interface is a map. The left map shows a residential area with streets like Kirkwood Hwy, Prospect Ave, and Highland Ave. The right map shows a larger area with highways (95, 495, 202) and the Christina River. A green dot on the right map indicates the location of one of the devices.

# USE SERVICE TO LOCKDOWN DEVICE

- For iPhone:
  - Enable Find My iPhone/iPad
- For Android:
  - Use Android Device Manager



WHAT'S TO COME

# FUTURE - TECH



# DO PASSWORDS MAKE SENSE?

- Password Replacements
  - Biometrics
  - Trusted Locations
  - Wearables as Authentication



# OTHER RESOURCES

- For continuing updates see the following blogs:
  - Delaware Supreme Court Commission on Law and Technology: <http://courts.delaware.gov/declt/>
  - Mobile Technology for the Law Office: <http://mobile4law.com/>
  - iPLUG Delaware: <http://iplugdelaware.com/>
- Contact Us!
  - Steven Butler
    - Email: [steve@ssalaw.us](mailto:steve@ssalaw.us)
    - Website: <http://delawaredisability.com/attorneys/steven-butler/>
  - Brian Legum
    - Email: [blegum@kcrlaw.com](mailto:blegum@kcrlaw.com)
    - Website: <http://kimmelcarter.com/attorneys/brian-s-legum.php>