


PWC G8 Gals@Technology

Tech Toys - 2017



Current Topics

- Yahoo breach
 - Yahoo disclosed in SEC filing that the 2013 hack initially thought to have affected 1 billion accounts actually affected all 3 billion user accounts.
 - Initial 2013 hack was not actually disclosed by Yahoo until 2016
 - Data included email address, phone, DoB, hashed password, and security questions and answers
 - Hack is still believed to be from “state-sponsored actor”
 - Yahoo was acquired by Verizon in June, 2017. Now part of Oath with AOL.
- No more AOL Instant Messenger after December 
- Equifax timeline

Equifax

- Mid-May to July 2017 – Attack
- Sept 7 – Breach publicly announced
- Sept 8 – Equifax shares plunge 13.7%
- Sept 12 – CIO and CISO are “retiring”
- Sept 12 – CEO apologizes in op-ed
- Sept 21 – Equifax admits it sent victims of data breach to a bogus website
- Sept 26 – CEO “retires”



Equifax

- Vulnerability in Apache Struts
- Published as CVE-2017-5638 (March 9, 2017)
- Marked as CRITICAL
- Patch available for 2 months before unpatched Equifax system was attacked

Equifax

- Posted to Federal Business Opportunity Database on September 30th (last day of the Federal fiscal year)
- Equifax awarded a \$7.25 sole source, no-bid contract by the IRS to “assist in ongoing verification and validations” of taxpayer identities
- “It’s like the guards at Fort Knox forgot to lock the doors” House Energy and Commerce subcommittee chairman, Representative Greg Walden, (R) Oregon

Equifax – 10/2/2017

- Equifax late Monday said forensics investigators have concluded that some 2.5 million more US consumers were affected by the data breach it revealed early last month, bringing the total number to 145.5 million.
- The latest victim headcount comes as Mandiant, which is conducting the breach investigation of Equifax, confirmed that the attack only affected the firm's databases in the US. Initial speculation by Equifax that some 100,000 Canadian citizens were affected by the breach were incorrect, according to the company. The actual number was 8,000.
- Equifax said its UK forensics investigation analysis is not yet complete.

Congressional Hearing – 10/3/2017

Recently-and-forcibly-retired Equifax CEO Rick Smith has laid the blame for his credit-check biz's IT security breach on a single member of the company's security team. In testimony on Tuesday before a US House subcommittee on consumer protection, Smith explained that Equifax has a protocol whereby news of important software patches is communicated to the appropriate people within a certain time. When details of security vulnerability CVE-2017-5638 landed in March 2017, bearing bad news about Apache Struts, that protocol broke down at Equifax due to human error, meaning no one was told to apply patches for the flaw. And, astonishingly, this is all one person's fault rather than an obvious failure for the business as a whole, according to Smith.

The former CEO said the second cause of the attack was a failure of automated scanning conducted a week after the patch should have been applied. For as-yet-unknown reasons, scans did not detect the presence of un-patched Struts implementations.

The Register

Congressional Hearing – 10/3/2017

- “You can’t fix stupid” – Representative Greg Walden, (R) Oregon
- “Equifax response to this breach has been unacceptable. I appreciate that you’re both sorry. My question is: What now?” – Representative Frank Pallone, (D) New Jersey
- “The only way I know to do it is some kind of fine-per-account-hacked that’s large enough that even a company that’s worth \$13 billion would rather protect their data and probably not collect as much data than just come up here and appear and say we’re sorry” – Representative Joe Barton, (R) Texas

Wall Street Journal – 4:01pm, 10/10/2017

- Equifax compromised contained Driver's License information for 10.9 million Americans
- 15.2 UK customer records were stolen BUT on 693,665 contained information considered sensitive under UK law

Bloomberg – 1:14pm, 10/12/17

- Equifax pulled down one of its customer help pages from its site so company's security team can investigate reports of another possible cyber attack
- Equifax share dropped 2.4% to \$107.83 at 1:08pm, BUT



Atomic Projection Clock with Indoor/Outdoor Temperature

\$54.95

Sets time and data automatically

Show time and temp on ceiling or wall

All the usual alarm clock features



Ultraloq

\$199.99

Unlock your door with combination or fingerprint



ULTRALoQ
A fingerprint door lock for your home

Door Lock UL3
~~\$319.99~~ **\$199.99**
+ free shipping

The advertisement features two Ultraloq Door Lock UL3 units, one in black and one in silver, positioned in front of a blurred background of a house entrance. The silver unit is shown with its handle extended. The text is overlaid on the right side of the image, with the brand name 'ULTRALoQ' in a stylized font at the top. Below it, the tagline 'A fingerprint door lock for your home' is written in a smaller font. The product name 'Door Lock UL3' is prominently displayed in large white letters. The price is shown as '\$199.99' in large blue letters, with the original price '\$319.99' crossed out with a blue line. At the bottom right, it says '+ free shipping'.

August Door Locks

\$279 with August Connect

\$199 to use with Apple Homekit

Lock and unlock your door remotely

Instantly track who's coming and going

Always know your door is closed and locked

Keyless entry for family and friends

Locks as you leave

Unlocks as you arrive

Keep your existing lock and keys

Includes August Connect Wi-Fi bridge

Works with Amazon Alexa, Siri and Google Assistant



Nest Thermostat E

\$169

The frosted display blends into the background.

Turns itself down after you leave to save energy. (Sensor and Geo-Fence)

Check your Energy History in the Nest app to see how much energy you use and why.

Nest Thermostat E's energy saving features earned an ENERGY STAR from the EPA.

Works with Amazon Alexa for voice control



Nest Protect (2nd Generation)

\$119

Connect Nest Protect to Wi-Fi and it will send an alert to your phone if the alarm goes off or the batteries run low.

Tells you what and where: It speaks up to tell you if there's smoke or CO and where the problem is, so you know what to do.

Nest Protect is the first alarm you can hush from your phone. Simply walk to the Nest Protect that noticed the problem and open the Nest app.

Split-Spectrum Sensor: In an emergency, seconds count. Nest Protect uses two wavelengths of light to look for both fast and slow burning fires.

10-year carbon monoxide sensor.



Nest Cam Family



Nest Cam IQ outdoor
Mighty. Smart.

\$349

[Learn more >](#)



Nest Cam IQ indoor
Best-in-class security camera.

\$299

[Learn more >](#)



Nest Cam Outdoor
Security, rain or shine.

\$199

[Learn more >](#)



Nest Cam Indoor
Plug-in-and-go security.

\$199

[Learn more >](#)

Nest Secure (Alarm System)

\$598 Starter Kit

Door Sensor

Nest Tag (fob)

Camera

All coordinated through Nest App



Sonos One

\$199, available 10/24/17

Works with Alexa at launch and Google Assistant next year

The Sonos One will play music, podcasts, and audiobooks from more than 80 streaming services.

Will support Apple AirPlay2 next year.

High-end audio quality



Google Home Max and Mini

Home Mini - \$49, available 10/19/17

Home Max - \$399, available in December with YouTube Red free for 1yr.

Google Assistant built in

Very good audio quality



Apple HomePod

\$349 pre-order, will arrive in December

Apple's first entry in the smart speaker market.

Siri-enabled



Harmon Kardon Invoke

Coming soon ... rumored under \$200

Apple, Google and Amazon aren't the only ones in the smart speaker market.

Coming later this year.

Cortana and Alexa will be able to talk to one another. (Interesting)



New Amazon Echo

\$99.99

Full Alexa suit

Best bass quality



New Echo Plus

\$149.99



New Echo Spot

\$129.99

Call anyone hands-free, or make video calls to family and friends with an Echo Spot, Echo Show, or the Alexa App. Instantly connect to other Echo devices around your home.



New Echo Show

\$199.99

Echo Show brings you everything you love about Alexa, and now she can show you things. Watch video flash briefings, Amazon Video content, see music lyrics, security cameras, photos, weather forecasts, to-do and shopping lists, browse and listen to Audible audiobooks, and more. All hands-free—just ask

Ask Alexa to show you the front door or monitor the baby's room with compatible cameras from Ring and Arlo. Turn on lights or the TV, set thermostats, control Amazon Video on Fire TV, and more with WeMo, Philips Hue, Sony, ecobee, and other compatible smart home devices.



Echo Look

\$199

Amazon's smart selfie camera has built-in LED lighting and computer vision-based background blur.

Using your voice, you can take full-length photos and short videos with the hands-free camera and get styling advice from Alexa, Amazon's voice assistant.

Needless to say there's a shopping element involved. Amazon is selling the [Echo Look](#) by "[invite-only](#)," which was how it sold the original Echo speaker when it first was released. You can request an invite and you'll eventually be able to buy one, but it's unclear when.



SmartHalo

\$149.95

Locks to bike's handlebar and communicates with a dedicated app via Bluetooth. Attached with special key, will alarm if removed

Turn-by-turn or compass-style navigation tool

During trips, a blue dot illuminates for incoming phone calls, while a front light turns on and off automatically based on the time of day and when the SmartHalo detects a trip is in progress. The product also records fitness data such as estimated calories burned, syncing with Apple's Health app



Xbox One X 1TB Console

\$499. Pre-order now, shipping 11/30/17

Experience immersive true 4K gaming

Play on Xbox Live, the most advanced
multiplayer network



Super NES Classic Edition



Kelvin K2 Smart Wine Thermometer

\$49.95

The Kelvin K2 Smart wine thermometer sends temperature information to your smartphone (often from inside your refrigerator)

Designed to demystify the process of enjoying your wine with its best possible flavor

iOS or Android app then monitors your wine as it is chilling and provides as much or as little information as you need

Tasting Notes (Sommelier level detail on what flavors to look for)

Food Pairing recommendations

Glassware guide to recommend the best possible glass for your wine choice.



Google Pixel 2

\$629, pre-order, \$828 for XL version

Features the latest Qualcomm Snapdragon 835 processor, 4GB of RAM and either 64GB or 128GB of storage.

Battery (a 2,700mAh on the Pixel 2 and 3,520mAh on the Pixel 2 XL) offers an impressive 7 hours of juice on a 15-minute charge.

Phone runs [Android 8.0 Oreo](#) and features a 12.2-megapixel camera on the back and an 8MP front shooter for selfies and video chats.

Google promises that you'll never have to delete a shot, since it's offering free unlimited storage for all your photos and videos.



iPhone X

\$1,149 pre-order 10/27/17, avail 11/3/17

A brand-new 5.8-inch OLED screen

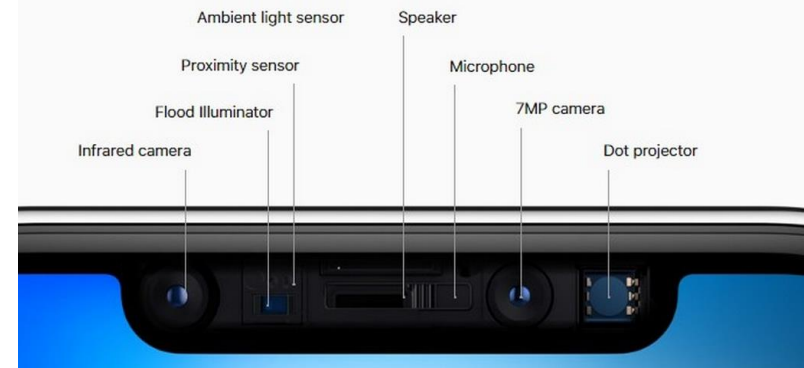
Face ID to unlock the phone and no home button.

Optical image stabilization on both rear 12-megapixel camera lenses

Portrait lighting feature (amazing stuff!)

Portrait mode on the front-facing camera

New feature to animate emojis.



iPhone 8

\$699

The most durable glass ever in a smartphone, front and back. A color-matched, aerospace-grade aluminum band. New space gray, silver, and gold finishes.

The glass back enables easy wireless charging.



Galaxy Note 8

\$930

The Galaxy Note brand lives on with the new Note 8.

The new model boasts a 6.3-inch OLED screen

Samsung's first dual rear cameras and a host of new stylus tricks.

Samsung is taking extra care with the battery, including an 8-point safety check and certification from the independent UL testing labs.

Note 7 buyers get a price break.



Moto X4

\$139

Motorola's next mid-price model delivers a 5.2-inch screen, dual rear cameras, a water-resistant body and an Android Pay-friendly fingerprint reader and NFC chip.

Amazon's Alexa assistant is built-in, too.



Nikon D850

\$3,300

Full-frame dSLRs tend to trade off resolution for speed.

Nikon balances the two in its latest prosumer model, incorporating a 45.7-megapixel BSI sensor with the

Fast autofocus and metering systems from its pro action-focused D5

Delivering full-resolution continuous shooting at 7 fps -- 9 fps with the battery grip



GoPro Hero6

\$499

HERO6 Black automatically sends your footage to your phone where the app turns it into a QuikStory (an awesome edited video)

With 4K60 and 1080p240 video, HERO6 Black delivers 2x the performance compared to HERO5 Black.

With an all-new GP1 chip optimized for GoPro capture, HERO6 Black delivers vastly improved image quality.

With our most advanced video stabilization yet, HERO6 Black captures super smooth footage, whether it's handheld or mounted to your gear.

HERO6 Black is waterproof to 33ft (10m) without a housing.



Sony RX0

\$700

15.3-megapixel 1-inch sensor and Zeiss lens, plus lot more features.

Include pro-level video options like S-Log2 gamma, a mic input and clean HDMI out, as well as useful still-shooting capabilities such as raw shooting

Adobe RGB color and slow shutter speeds.

Supports high-frame-rate capture up to 1,000fps (at 800x720 pixels) for super slo-mo playback.



Apple Watch Series 3

\$329

Virtually identical in size to the Watch Series 2 but has a new, red digital crown and signal meter, as well as a built-in barometric altimeter.

Color options include a new gold aluminum finish, plus silver and space gray



Fitbit Ionic

\$300

Fitbit's Apple Watch competitor boasts a 4-day battery, fitness coaching, swappable bands, notifications and swim-friendly waterproofing.



Fire TV

\$69.99

All-new Fire TV with 4K Ultra HD and HDR support in a compact and portable form factor.

Experience true-to-life picture quality and sound with access to vivid 4K Ultra HD up to 60 fps, HDR, and Dolby Atmos audio.

Use your voice to easily find, launch, and control content with your Alexa Voice Remote or pair Fire TV with an Echo device for hands-free content control.

No cable or satellite? No problem. Use an HD antenna to get free broadcast networks like NBC and PBS or watch live TV and sports with subscriptions to Hulu, PlayStation Vue, and Sling TV.

ALL-NEW

fire tv

With 4K Ultra HD and Alexa Voice Remote



Apple TV 4K

\$199

\$149 for non-4K version



Western Digital 14TB Hard Drive

Helium filled

223MB/s

2.6 million hour MTBF

5 year warranty

Announced but pricing and availability still
unknown

Rumor for 60TB drive next year

Entire printed collection of the Library of
Congress is a bit less than 10TB



Orbi (Mesh Router)

\$343 – Main +1

\$539 – Main +2

Home Wi-Fi mesh



Eero (Mesh Router)

\$399 – 2-4 Bedroom home

\$488 – 3-5+ Bedroom home

Home Wi-Fi mesh

Wall plug mounted satellite



Trendy Techies Hoshi 007Pro Pocket Selfie Drone

(WiFi with 4K HD Camera Follow Me Mode)

\$356

Hover function and follow me function allow for a great experience.

Foldable body: allows for easy access and use. Pull it out and fly. Anywhere. Any time.

Auto-take off / one-key landing.

Long battery life: 2900mah 22wh battery with over 15 minutes of flying time.

Your personal photographer in the air: 4k camera with 25fps



Annoy-a-tron Prankster Pack 3.0

(Annoy-a-tron, Ringtone Annoy-a-tron, Eviltron)



ThinkGeek.com

The screenshot shows the ThinkGeek.com website. At the top, there is a navigation bar with the ThinkGeek logo and the tagline "JOIN IN. GEEK OUT.". To the right of the logo, there are links for "LIVE CHAT", "HELP", "STORE LOCATIONS", and "REFER-A-FRIEND". Below the navigation bar, there is a search bar and a "NO LOOT" button. The main content area features a sidebar on the left with a list of categories: HALLOWEEN, CLOTHING, ACCESSORIES, BAGS & BACKPACKS, HOME & OFFICE, TOYS & GAMES, COLLECTIBLES, TOOLS, OUTDOOR & SURVIVAL, ELECTRONICS & GADGETS, GEEK KIDS, STAR WARS, ON SALE, and GIFT CARDS. The main content area is titled "About Us" and features a "WHO WE ARE" section. The "WHO WE ARE" section includes a paragraph about ThinkGeek's mission, a paragraph about the company's history, and a paragraph about the company's products. At the bottom of the page, there is a "JOIN IN. GEEK OUT." button.

THINKGEEK
JOIN IN. GEEK OUT.

A E H L N O P W Y

LIVE CHAT HELP STORE LOCATIONS REFER-A-FRIEND

FREE SHIPPING ON ORDERS \$75+
OR FLAT \$5.95 U.S. STANDARD SHIPPING [\(click here for details\)](#)

SHOP BY CATEGORY SHOP BY INTEREST Search... LOG IN NO LOOT

WHAT'S NEW BESTSELLERS EXCLUSIVES HALLOWEEN T-SHIRTS ELECTRONICS & GADGETS COLLECTIBLES ON SALE GEEKPOINTS

HALLOWEEN

CLOTHING

ACCESSORIES

BAGS & BACKPACKS

HOME & OFFICE

TOYS & GAMES

COLLECTIBLES

TOOLS, OUTDOOR & SURVIVAL

ELECTRONICS & GADGETS

GEEK KIDS

STAR WARS

ON SALE

GIFT CARDS

SIGN UP FOR GEEK-MAIL
Our subscribers are the first to hear about new goodies, special deals, and the impending robot takeover.

timmy@email.com

GO

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WHO WE ARE

ThinkGeek is obsessed with creating and sharing unique and authentic product experiences that stimulate our fans' imaginations and fuel their geek core.

Since 1999, ThinkGeek has been on a mission to create a world where everyone can embrace their inner geek and connect with one another. What started as a place for clever t-shirts and unusual gifts is now the best way to find wondrous goods that express all your passions - much of which you won't find anywhere else on Earth (or any other planet).

Shop for apparel, functional and fun home and office decor, electronics and gadgets, outdoor and survival gear, collectibles, and much more. Find the perfect gift, whether your loved one is into science or science fiction. Get things you need and things you NEED (pronounced: want). Or just prank your office mate.

With an ever-expanding curated collection of exclusive products, headlined by hundreds of mind-blowing inventions from our mad scientists at GeekLabs, ThinkGeek invites you to...

JOIN IN. GEEK OUT.

Smarthome.com

The screenshot shows the Smarthome.com website interface. At the top, there is a browser address bar with the URL <https://www.smarthome.com/> and a search bar. Below the browser, the website header includes the Smarthome logo, a search bar, and navigation links for "GETTING STARTED", "NEW PRODUCTS", "INSTEON", "SMARTHOME SELECT", "CLEARANCE", and "INSTEON INSTALLERS". There are also links for "MY ACCOUNT", "LOG OUT", and "CART: 0".

The main content area features a large advertisement for Nest with the text "Where Your Home takes care of the people inside it" and a "SHOP NOW" button. To the left of the Nest ad are several vertical buttons: "SWITCHES, KEYPADS, PLUG-INS & OUTLETS", "SENSORS, CAMERAS, BULBS & REMOTES", "INPUT / OUTPUT CONTROL KITS", "SAVE! MULTI-PACKS", and "SAVE! FACTORY REFURBISHED". To the right of the Nest ad is a section titled "HOW DOES INSTEON WORK" and "GET INSTEON INSTALLED".

Below the main advertisement is a "SHOP BY CATEGORY" section with a grid of product categories: "Smart Hubs & Kits", "Smart Lighting", "Appliance & Outlet Control", "Smart Thermostats", "Home Theater", "Smart Door Locks", "Security Cameras", and "Home Alarms & Sensors". To the right of this grid is a "DEAL OF THE WEEK" for a "YARDLOCK KEYLESS WOOD GATE COMBINATION LOCK" with a price of \$39.99 (down from \$66.84). Below the deal is a "SHOP BY COMPATIBILITY" section with links for Insteon, Alexa, ZIGBEE, Wi-Fi, Bluetooth, HOMEKIT, Z-Wave, UPB, X10, and Others.

At the bottom of the page, there are sections for "BEST SELLING HOME AUTOMATION PRODUCTS" and "DISCOUNTED PRODUCTS". A "HOME AUTOMATION GUIDE" is also visible on the left side. The footer includes a "CLEA" logo and a "4.2 Google Customer Reviews" badge.

This Time Next Year
“Red Hydrogen” with *Holographic Display*!!



I UPLOADED
MY LIST TO
DROPBOX -
DID YOU GET
IT?

