

# What's New?

Todd McDaniel, Mac Group, Marriott Library

March, 2018



## Cellebrite claims ability to unlock all iPhones/iPads

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- ❖ <https://www.forbes.com/sites/thomasbrewster/2018/02/26/government-can-access-any-apple-iphone-cellebrite/>
- ❖ “There's also a credible rumor that Cellebrite's mechanisms only defeat the mechanism that limits the number of password attempts.”  
[https://www.schneier.com/blog/archives/2018/02/cellebrite\\_unlo.html](https://www.schneier.com/blog/archives/2018/02/cellebrite_unlo.html)



# Grayshift's GrayKey device

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- ✦ <https://blog.malwarebytes.com/security-world/2018/03/graykey-iphone-unlocker-poses-serious-security-concerns/>





# WWDC 2018 dates announced

June 4-8, San Jose, CA







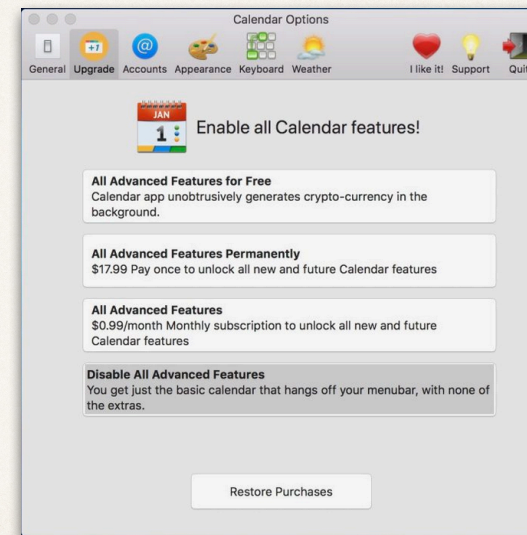
# Calendar 2 crypto miner in the AppStore

“Apple removed Calendar 2 from the App Store for violating guideline 2.4.2, which says apps should be designed to be power efficient.”

Buggy implementation caused miner to continue running even after opting out.

<https://9to5mac.com/2018/03/13/crypto-mining-calendar-app-ios/>

Putting money earned into the product, ~\$2,000 worth of Monero



# Pwn2Own 2018

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- ❖ Chinese government discourages participation
- ❖ Safari vulnerabilities exposed
- ❖ <https://www.bleepingcomputer.com/news/security/firefox-edge-and-safari-browsers-fall-at-famous-pwn2own-hacking-contest/>



# Apple Event on 3/27

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- ✦ Education focused
- ✦ Rumors abound...
  - New iPad?
  - New MacBook Air?
  - New MacBook?
  - New Mac Mini?



*Let's take a field trip.*

Join us to hear creative new ideas for teachers and students.  
Lane Tech College Prep High School, Chicago, Illinois  
March 27, 2018, at 10:00 a.m.

# Flutter beta 1

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- ✦ Google's cross-platform mobile SDK
- ✦ iOS/Android
- ✦ Provides UI engine, ala Unreal/Unity
- ✦ 2D now, 3D later
- ✦ <https://github.com/flutter/flutter>
- ✦ <https://youtu.be/fq4N0hg0WzU>



# Github 1.35Tbps DDOS, 2/28/18

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- ❖ 126.9 million packets per second
- ❖ Previously the publicly revealed record was 1.2Tbps against Dyn in 2016
- ❖ <https://githubengineering.com/ddos-incident-report/>
- ❖ <https://blogs.akamai.com/2018/03/memcached-fueled-13-tbps-attacks.html>



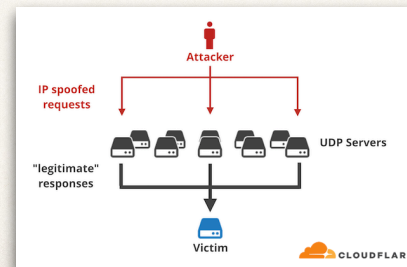
## 1.7 Tbs DDoS reported by Arbor Networks

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- ✿ <https://www.arbornetworks.com/blog/asert/netscout-arbor-confirms-1-7-tbps-ddos-attack-terabit-attack-era-upon-us/>

# memcached

- ❖ “Memcached is a high performance multithreaded event-based key/value cache store intended to be used in a distributed system.”
- ❖ <https://arstechnica.com/information-technology/2018/02/in-the-wild-ddoses-use-new-way-to-achieve-unthinkable-sizes/>



not an IOT-based attack

Amplification attack, services that return much more data than the original request

memcached patched to disable UDP by default

## AMD flaws

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- ❖ CTS Labs exposed vulnerabilities less than 24 hours after advising AMD
- ❖ Ryzen and EPYC processors, chipsets effected (Masterkey, Ryzenfall, Fallout and Chimera)
- ❖ Require administrative access
- ❖ Similar to Spectre/Meltdown
- ❖ <https://thehackernews.com/2018/03/amd-processor-vulnerabilities.html>



# Spectre/Meltdown

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- ❖ Official Intel patches for chips produced in the last 5 years
- ❖ Chips with hardware fixes due 2nd half of this year
- ❖ Microsoft Surface Pro patches
- ❖ Microsoft \$250K bounty program for similar flaws

# John Oliver on Cryptocurrencies

<https://www.youtube.com/watch?v=g6iDZspbRMg>



Steve Jobs' job  
application sells for  
\$174,000

(1973)

Position Desired:

Birth Date: 24 February 1955

Name: Steven jobs

Address: red college

Phone: none

Major: english lit Year:

Past Employment:  
(Most recent first)

To \_\_\_\_ From \_\_\_\_ Position Held \_\_\_\_ Type of Business \_\_\_\_

Reason for leaving:

To \_\_\_\_ From \_\_\_\_ Position Held \_\_\_\_ Type of Business \_\_\_\_

Reason for Leaving:

Driver's License? yes

Access to transportation? possible, but not portable

Skills:

Typing \_\_\_\_

Machines, Key punch \_\_\_\_ Computer yes Calculator yes Other \_\_\_\_

Special Abilities:

electronics tech or (design, tech)

Interests: design engineer digital - from Bay area Hunter-Palmer



Questions, Comments?

