



Sure. We guarantee that you can recover all your files safely and easily. But you have

You can decrypt some of your files for free. Try now by clicking <Decrypt>. But if you want to decrypt all your files, you need to pay. You only have 3 days to submit the payment. After that the price will be doubled.

Also, if you don't pay in 7 days, you won't be able to recover your files forever. We will have free events for users who are so poor that they couldn't pay in 6 months.

How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>. Please check the current price of Bitcoin and buy some bitcoins. For more information,

And send the correct amount to the address specified in this window.

After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am bitcoin 115p7UMMngoj1pMvkpHijcRdfJNXj6LrLn

Decry

Check Payment

May 24, 2017



Tonight's Topics

- WWDC Watch Party
- WannaCry Worm: A Cautionary Tale
- Using Email Aliases for Fun & Profit



Parrr-Tayyyyy Time!

- Apple will livestream the Keynote presentation from this year's Worldwide Developer's Conference (WWDC), starting at 1pm on Monday, June 5
- Most likely no new iPhone hardware, but possibly new Mac Pro, iMacs?
- Let's watch! And drink, eat and schmooze!
- We order a few pizzas you all supply the rest!
- PLEASE RSVP if you plan to attend the Watch Party info@coveappleclub.com before June 3!

 12:00 PM 3:00 PM

If You Can't Join Us



- Watch the Keynote on the Apple Events app on Apple TV — live or on-demand
- Watch at <u>apple.com</u> on your Mac, iPhone or iPad
- Download from iTunes in Apple Keynotes in Podcasts section



WannaCry Worm & Ransomware

WannaCry Worm & Ransomware

- Worldwide outbreak of a very virulent "ransomware" worm on Windows PCs (Windows XP & Vista onward) - Windows 10 not affected
- Spread via internet & office LANs via a vulnerability in the Windows "Server Message Block" protocol
- Demands \$300 in Bitcoin (about 0.125\mathbb{B}) or files will be deleted



source: <u>TroyHunt.com</u>, ArsTechnica, Hacker News

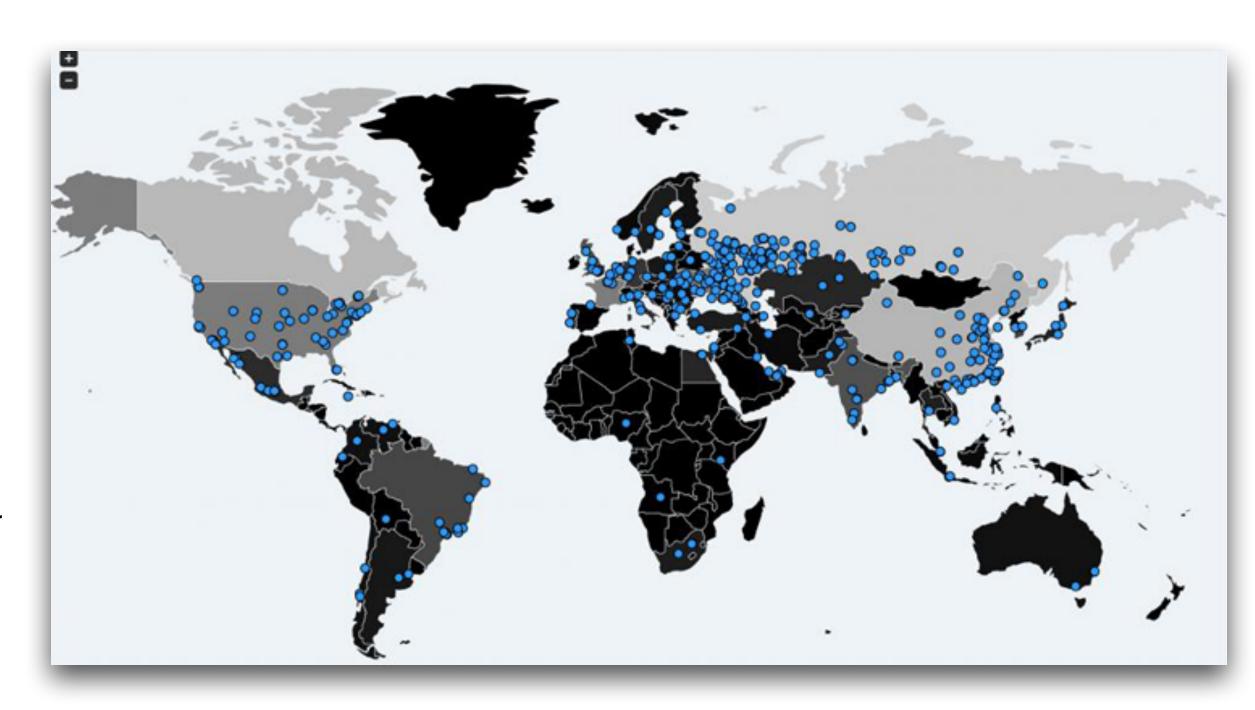
Unique WannaCry "Features"



- "Sense of urgency" to pay or files will be deleted permanently
- "Free trial" decrypts a small sample of files to prove the decrypt is possible and under hacker's control
- "Free tier" for people unable to pay not known how this would work

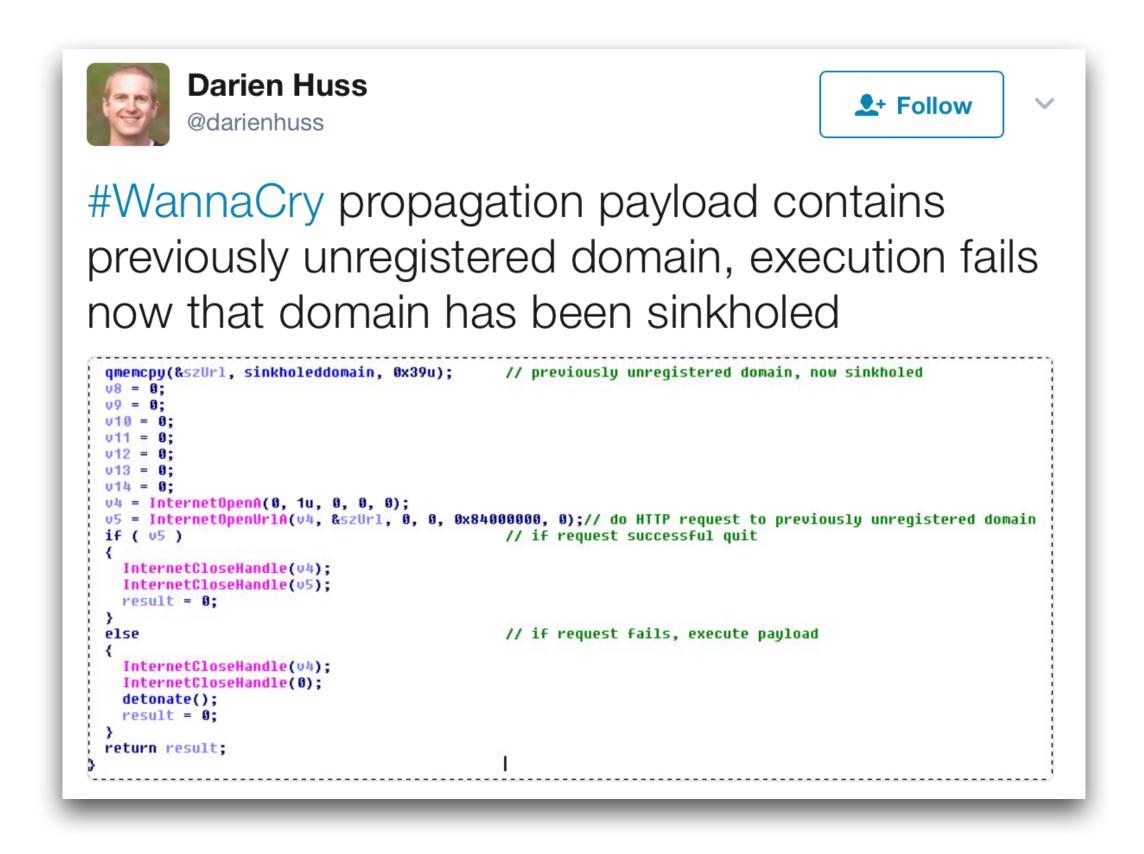
How It Spread

- Windows machines that had not applied the critical "MS-17-0010" security patch, issued on March 14, 2017
- Started in Russia, quickly spread through Ukraine, India, Taiwan
- Over 95% of cases outside of North America
- ~ 250,000 machines known to be compromised, 98% running Win 7



How It Died

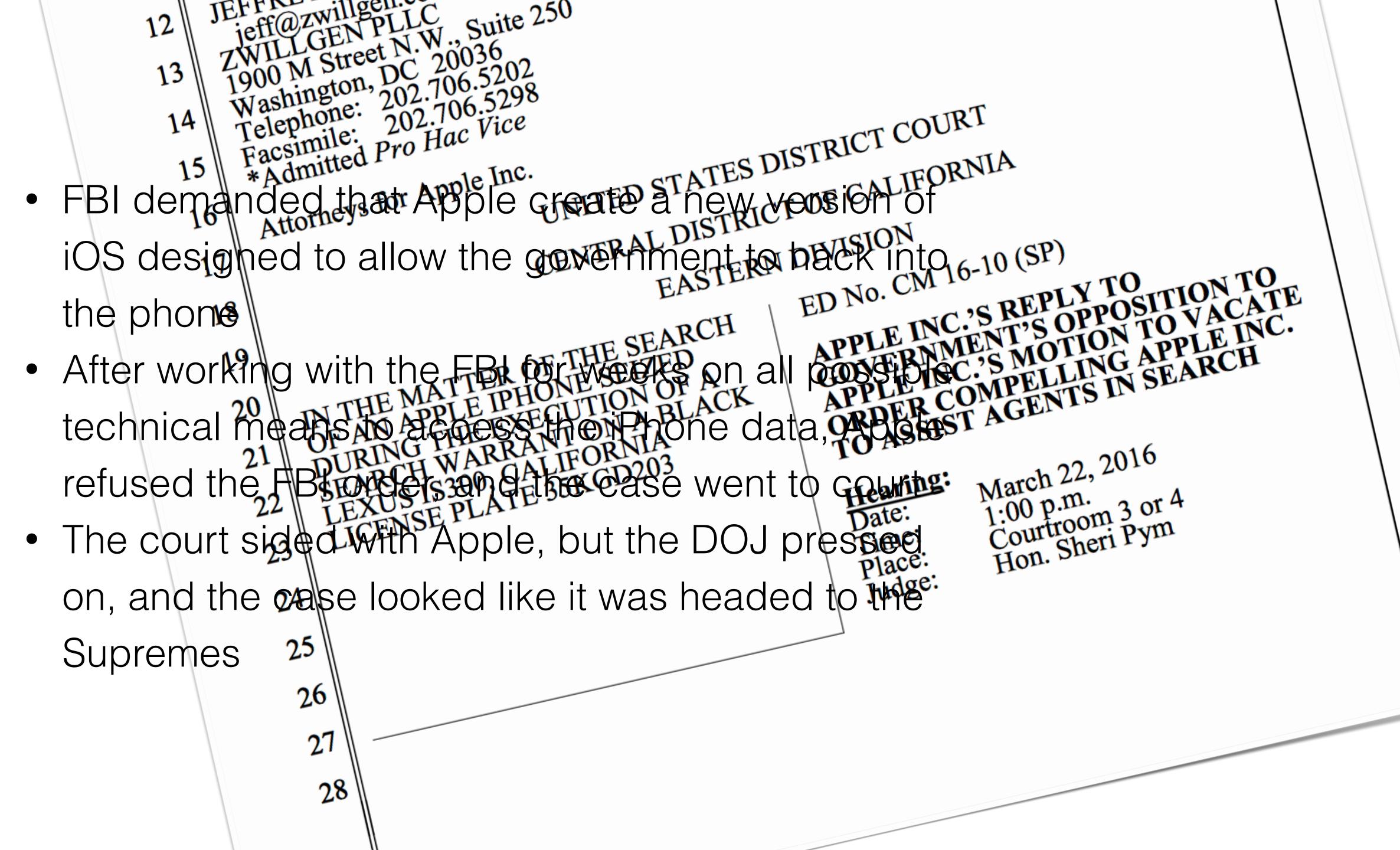
- A malware researcher discovered a remote "kill switch" in the WannaCry code
- He registered the command-and-control domain monitored by the kill switch, and within 10 minutes, further propagation was stopped
- This "kill switch" was a uncharacteristic error in the design of WannaCry, and was a lucky break for the world that the researcher found it



WannaCry Origins

- Security researchers are unanimous in noting that WannaCry used a collection of exploits developed by the NSA and leaked in August, 2016 and more in mid-April, 2017 by Shadow Brokers, from NSA team known as "Equation Group"
- Exploits in WannaCry included "EternalBlue,"
 "DoublePulsar," and variant "EternalRocks," all
 developed with your taxpayer dollars by NSA and
 leaked to the world twice





I. INTRODUCTION

MEMORANDUM OF POINTS AND AUTHORITIES

3

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11

12

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14

1:

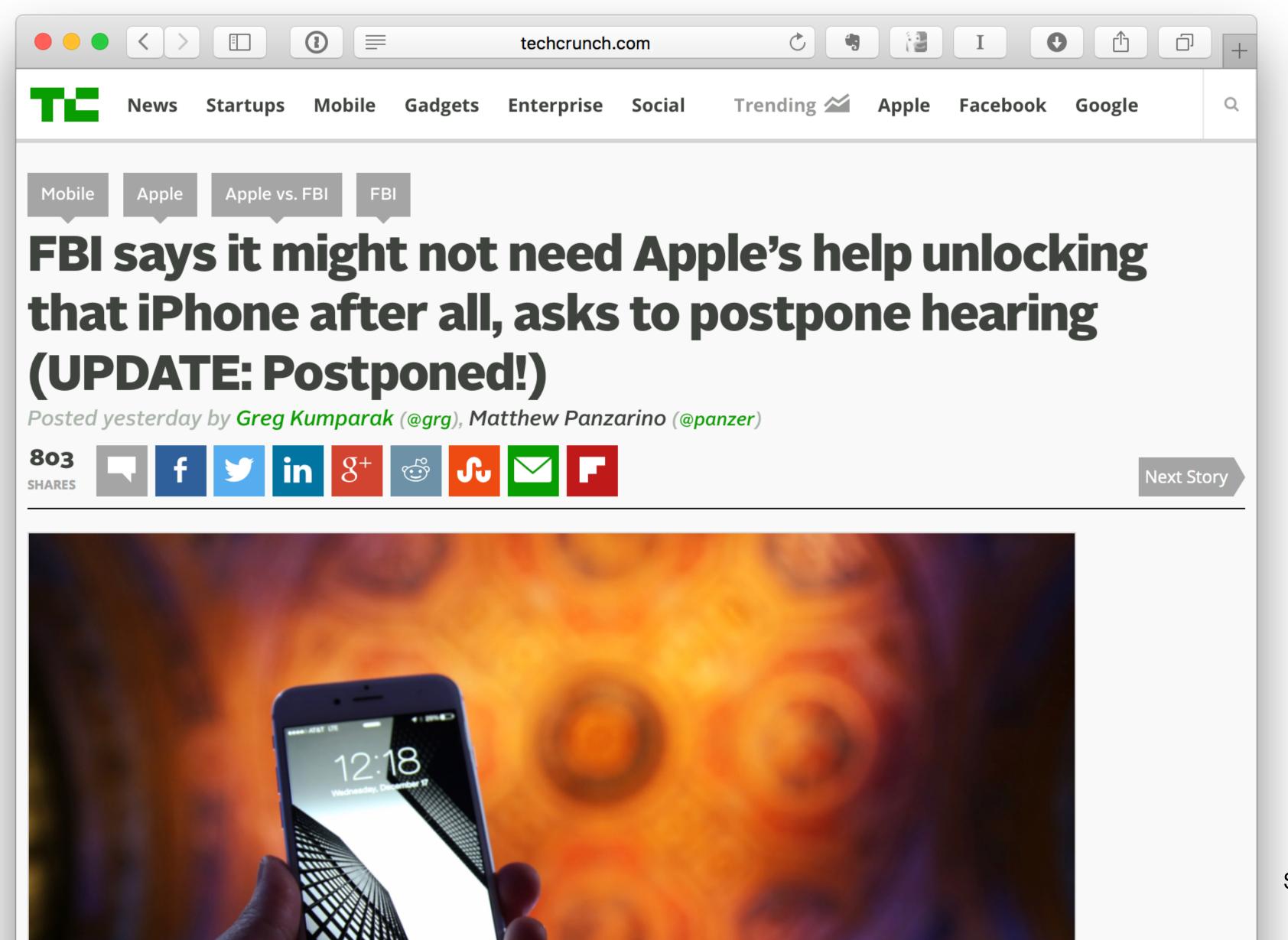
This is not a case about one isolated iPhone. Rather, this case is about the Department of Justice and the FBI seeking through the courts a dangerous power that Congress and the American people have withheld: the ability to force companies like Apple to undermine the basic security and privacy interests of hundreds of millions of individuals around the globe. The government demands that Apple create a back door to defeat the encryption on the iPhone, making its users' most confidential and personal information vulnerable to hackers, identity thieves, hostile foreign agents, and unwarranted government surveillance. The All Writs Act, first enacted in 1789 and on which the government bases its entire case, "does not give the district court a roving commission" to conscript and commandeer Apple in this manner. Plum Creek Lumber Co. v. Hutton, 608 F.2d 1283, 1289 (9th Cir. 1979). In fact, no court has ever authorized what the government now seeks, no law supports such unlimited and sweeping use of the judicial process, and the Constitution forbids it.

What does the NSA spend \$60-billion a year on if they can't crack open an iPhone?

CLARKE: Every expert I know believes that NSA could crack this phone. They want the precedent that the government can compel a computer device manufacturer to allow the government in.

> Richard Clarke, former Special Advisor to the President on Cybersecurity in the George H.W. Bush administration, speaking to host David Green on NPR's Morning Edition, on **Tuesday, March 15, 2016**.

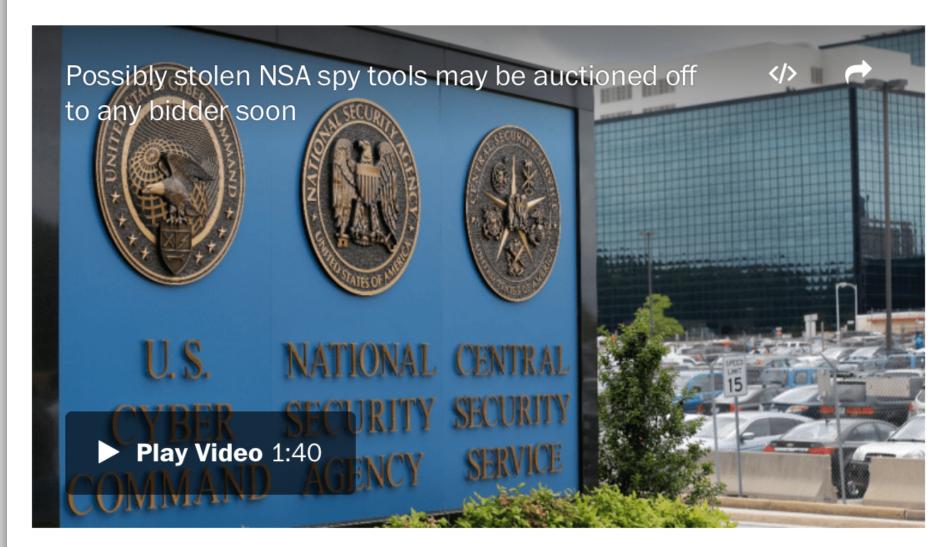
.and then:



source: TechCrunch, March 20, 2016

National Security

Powerful NSA hacking tools have been revealed online



Strings of code were released to the Internet by a group calling themselves "the Shadow Brokers". They claim the code is a tool that can be used to hack into any computer. (Jhaan Elker/The Washington Post)

By Ellen Nakashima August 16

Some of the most powerful espionage tools created by the National Security Agency's elite group of hackers have been revealed in recent days, a development that could pose severe consequences for the spy agency's operations and the security of government and corporate computers.

'Shadow Brokers' dump of NSA tools includes new Windows exploits (updated)



D3Damon via Getty Images



Earlier this year "The Shadow Brokers" -- an entity claiming to have stolen hacking tools from the NSA then offering them for sale -- seemed to pack up shop, but the group has continued on. Today, it made a new post that contained a number of working exploits for Windows machines running everything from XP up to at least Windows 8. As far as Windows 10, it appears that the stolen data is from 2013 and predates the latest OS. As such, it isn't immediately apparent if it's vulnerable, but early results indicate at least some of the tools aren't working on it.

source:
Washington Post, 8/16/16
EnGadget, 4/14/17

Kaspersky Confirmed: Leaked Hacking Tools Belong to NSA-tied Group

According to a technical report published Tuesday by security firm Kaspersky Lab, the leaked advanced hacking tools contains digital signatures that are identical to those in hacking software and malware previously used by the Equation Group.

"While we cannot surmise the attacker's identity or motivation nor where or how this pilfered trove came to be, we can state that several hundred tools from the leak share a strong connection with our previous findings from the Equation group," Kaspersky researchers said in a blog post.

Over 300 computer files found in the Shadow Brokers archive have a common implementation of RC5 and RC6 encryption algorithms – which has been used extensively by the Equation Group.

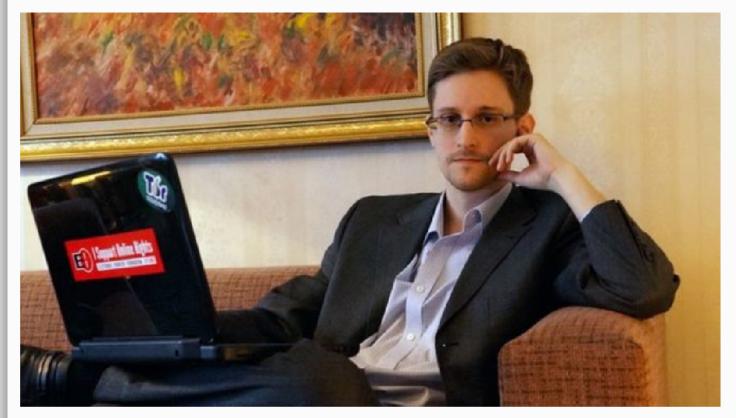
Also, the implementation of encryption algorithms is identical to the RC5 and RC6 code in the Equation Group malware.

"There are more than 300 files in the Shadow Brokers' archive which implement this specific variation of RC6 in 24 other forms," the researcher wrote. "The

source: Ars Technica, 8/22/16

Edward Snowden: Russia probably behind NSA leak

By Kevin Rawlinson BBC News



Getty Images

Edward Snowden said he believed Russia to be behind the leak

The whistleblower Edward Snowden believes Russia is behind a leak of malware allegedly belonging to the US National Security Agency (NSA).

Hackers calling themselves Shadow Brokers started an auction for the malware last week.

The security firm Kaspersky said it believed the original files were from Equation Group, which is thought to be linked to the NSA.

A former NSA worker Dave Aitel pointed the finger at Russian involvement.

He said it was likely to be a diplomatic strategy, related to the blame being placed on Russia for a recently revealed hack of computers belonging to the Democratic party in the US.

Mr Snowden tweeted on Tuesday: "This leak is likely a warning that someone can prove US responsibility for any attacks that originated from this malware server."

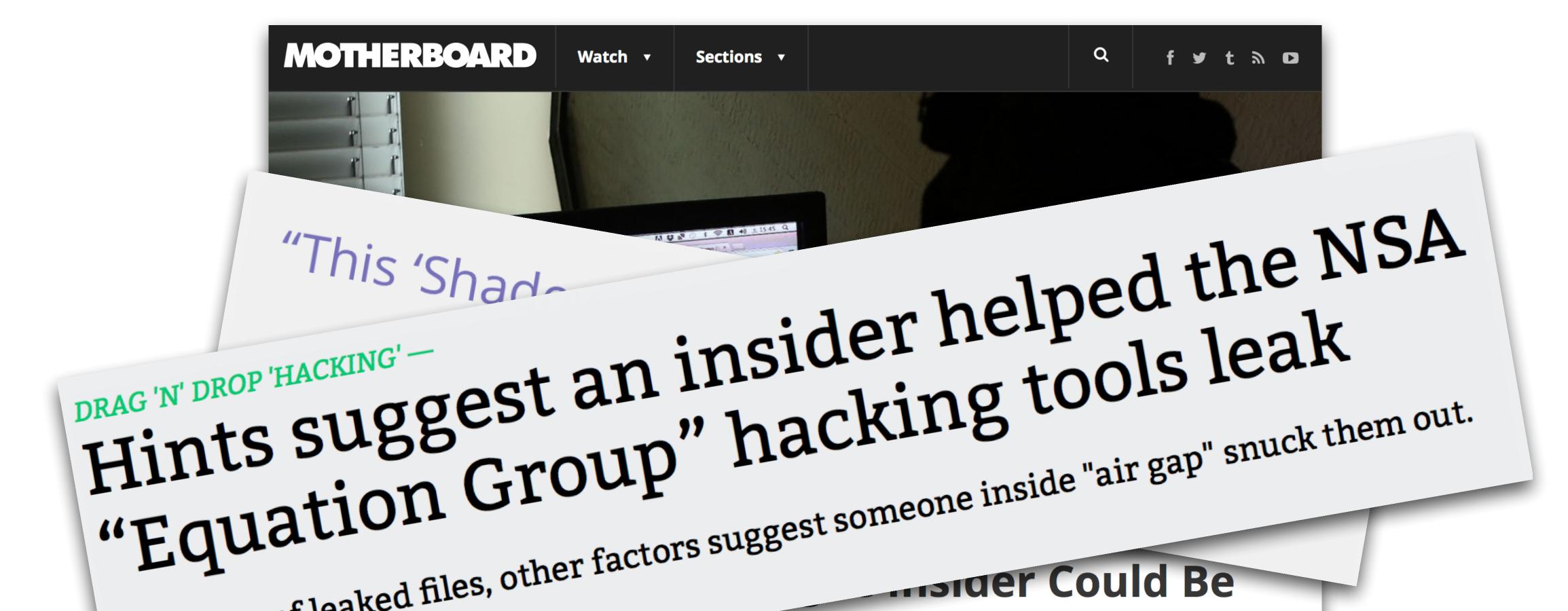
'Malware'

Kaspersky has released analysis that led it to believe "with a high degree of confidence that the tools from the Shadow Brokers leak are related to the malware from the Equation group".

It said that elements of a sample released by the hackers for verification displayed characteristics thought to be unique to Equation.

Equation is reported to have links to the NSA.

source: BBC News, 8/21/16



Structure of leaked files, other factors suggest someone inside "air gap" snuck them out.

SEAN GALLAGHER - 8/22/2016, 6:05 PM

FRANCESCHI-BICCHIERAI AND JOSEPH COX

August 17, 2016 // 04:50 PM EST

There are a lot of unanswered questions surrounding the shocking dump of a slew of hacking tools used by an NSA-linked group earlier this week. But perhaps the biggest one is: who's behind the leak? Who is behind the mysterious moniker "The Shadow Brokers"?

source: Vice Motherboard, 8/17/16 Ars Technica, 8/22/16

Privacy Advocates Cite NSA Hack as Vindication of Apple's Fight With FBI

Monday August 22, 2016 2:37 am PDT by Tim Hardwick

Privacy advocates have claimed the breach of hacking tools and exploits apparently stolen from the National Security Agency has vindicated Apple's stance in its dispute with the FBI earlier this year.

Last week, reports emerged that a hacker group called the "Shadow Brokers" had allegedly stolen a cache of the NSA's top espionage tools and offered to sell them to the highest bidder.

The malware was linked to the "Equation Group", a secretive team of cyber spies widely believed to be associated with the NSA and its state partners. The hacking collective that stole the malware posted two



sets of files online, including a free sample of the stolen data, which dates back to 2013, and a second encrypted file whose decryption key went up for sale in a bitcoin auction. Many saw the auction as a stunt.

But the attack code posted by the hackers appeared to be real, according to former NSA personnel who worked in the agency's hacking division, known as Tailored Access Operations (TAO).

"Without a doubt, they're the keys to the kingdom," said one former TAO employee, who spoke to <u>The Washington Post</u> on the condition of anonymity to discuss sensitive internal operations. "The stuff you're talking about would undermine the security of a lot of major government and corporate networks both here and abroad."

"It's a big deal," said Dave Aitel, an ex-NSA research scientist and CEO of penetration testing firm Immunity. "We'd be panicking." Whistle-blowing website Wikileaks <u>tweeted</u> that it also had the data and would release it "in due course".

News of the leak has been closely followed by technology companies, many of whom pushed back against the U.S. Senate Intelligence Committee's attempts to force them to provide "technical assistance" to government investigators seeking locked data.

The <u>failed attempt to enact legislation</u> came after Apple publicly clashed with the FBI over the government agency's insistence that it create a "back door" to its iPhone software.

source: MacRumors.com, 8/22/16 "If we're forced to create a backdoor into the iPhone for the government, it will be used for bad things."

- Apple, in March, 2016

"Nonsense!

We'll only use it once, on this one phone, this one time, and never ever again, ever!

And no one else will ever get hold of it! We promise!"

- The FBI, in March, 2016

"We just published the NSA's hacking tools on the internet."

- The Russians, probably.



February 16, 2016

A Message to Our Customers

The United States government has demanded that Apple take an unprecedented step which threatens the security of our customers. We oppose this order, which has implications far beyond the legal case at hand.

This moment calls for public discussion, and we want our customers and people around the country to understand what is at stake.

Answers to your questions about privacy and security

The Need for Encryption

Smartphones, led by iPhone, have become an essential part of our lives. People use them to store an incredible amount of personal information, from our private conversations to our photos, our music, our notes, our calendars and contacts, our financial information and health data, even where we have been and where we are going.

All that information needs to be protected from hackers and criminals who want to access it, steal it, and use it without our knowledge or permission. Customers expect Apple and other technology companies to do everything in our power to protect their personal information, and at Apple we are deeply committed to safeguarding their data.

Compromising the security of our personal information can ultimately put our personal safety at risk. That is why encryption has become so important to all of us.

For many years, we have used encryption to protect our customers' personal data because we believe it's the only way to keep their information safe. We have even put that data out of our own reach, because we believe the contents of your iPhone are none of our business.

The San Bernardino Case

We were shocked and outraged by the deadly act of terrorism in San Bernardino last December. We mourn the loss of life and want justice for all those whose lives were affected. The FBI asked us for

apple.com/customer-letter

The implications of the government's demands are chilling. If the government can use the All Writs Act to make it easier to unlock your iPhone, it would have the power to reach into anyone's device to capture their data. The government could extend this breach of privacy and demand that Apple build surveillance software to intercept your messages, access your health records or financial data, track your location, or even access your phone's microphone or camera without your knowledge.

Opposing this order is not something we take lightly. We feel we must speak up in the face of what we see as an overreach by the U.S. government.

We are challenging the FBI's demands with the deepest respect for American democracy and a love of our country. We believe it would be in the best interest of everyone to step back and consider the implications.

"If I am a traitor, then who did I betray?

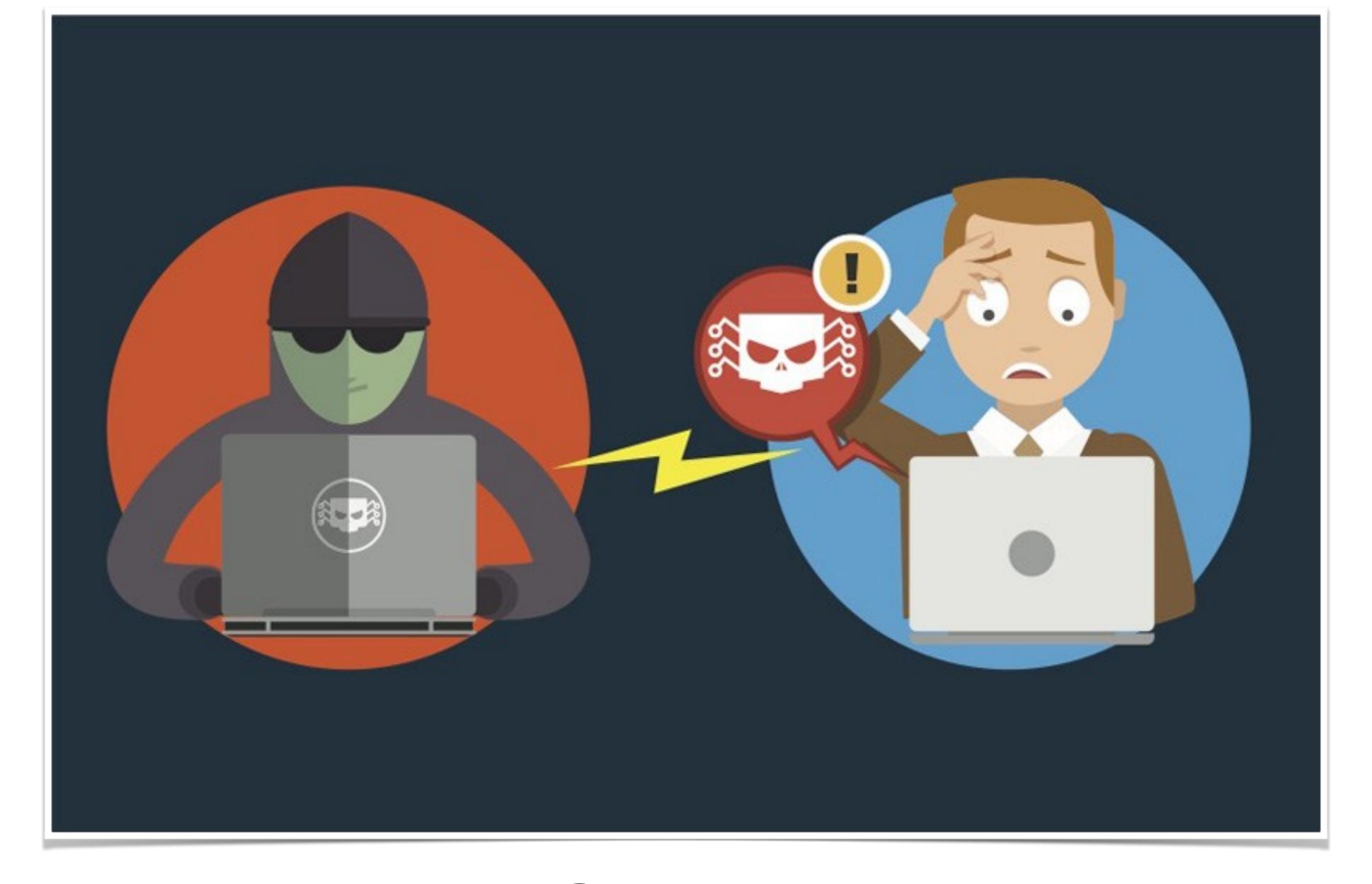
I gave all my information to the American public, to American journalists who are reporting on American issues.

If they see that as treason, I think people really need to consider who they think they're working for.

The public is supposed to be their boss, not their enemy."



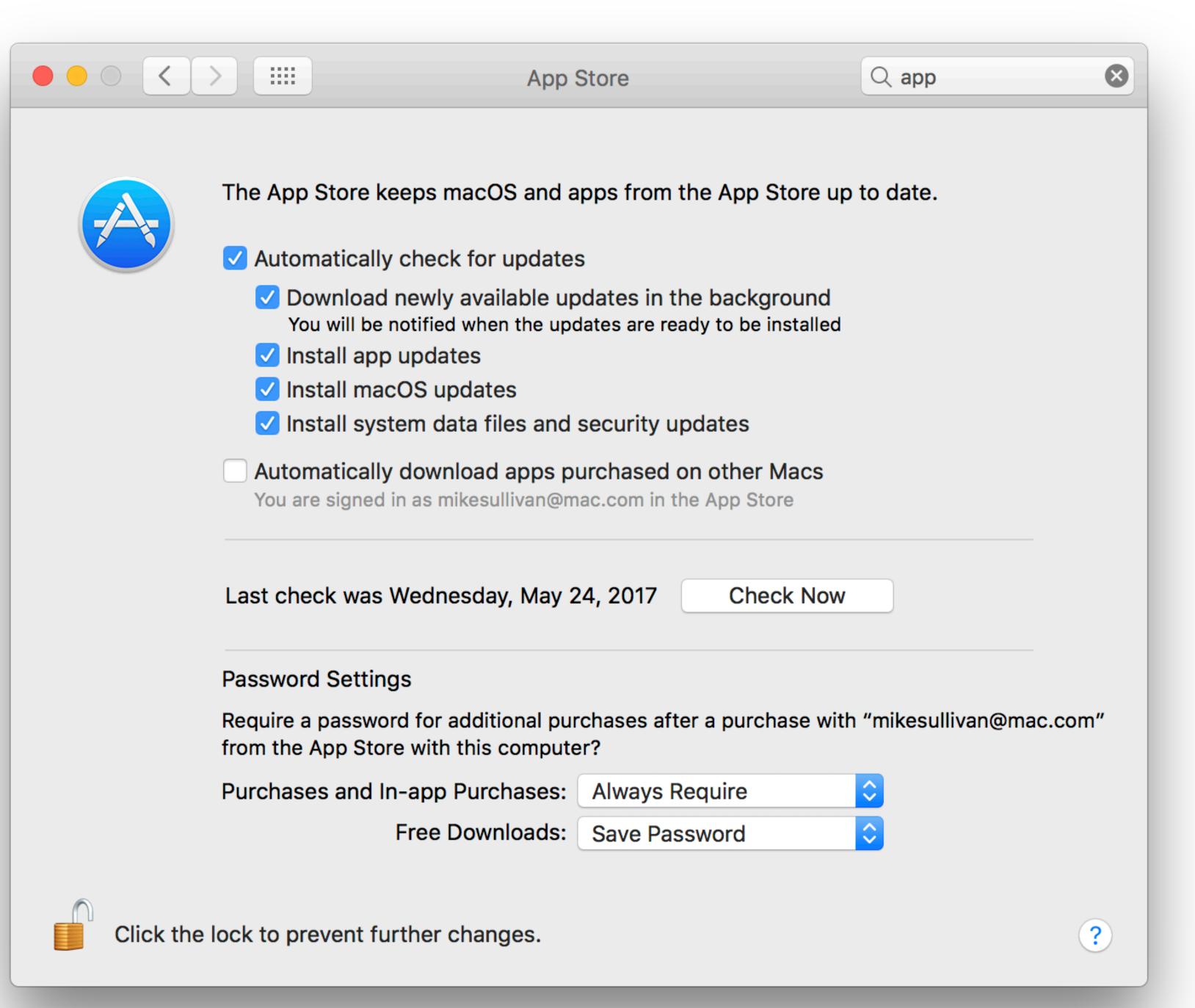
Edward Snowden



WannaCry: Lessons

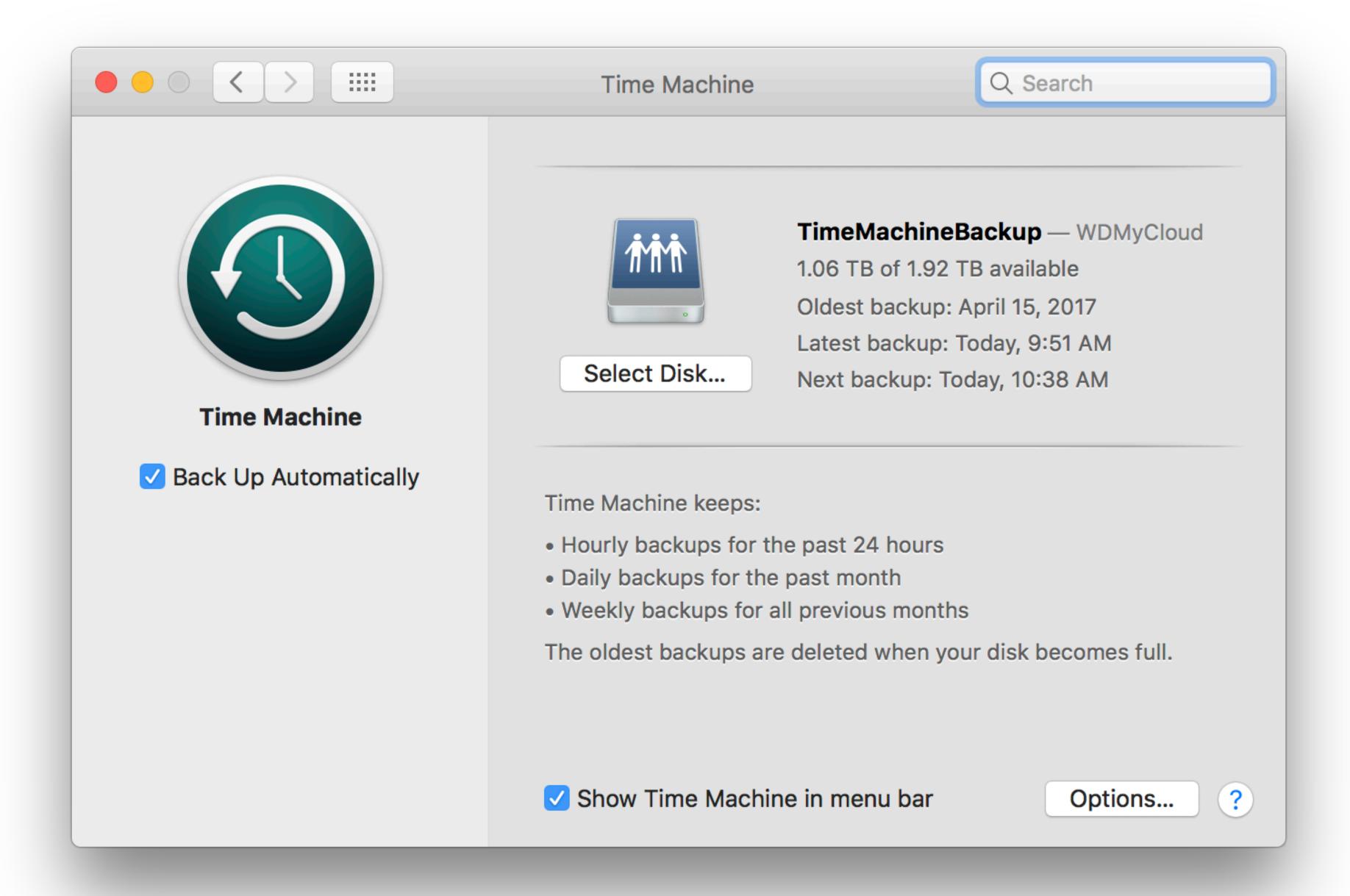
WannaCry Lessons

- ✓ Don't use Windows
- ✓ Enable automatic OS updates
- ✓ Anti-virus software did not protect against this kind of attack
- ✓ Have a robust backup strategy, and test your backups 2x/year
- ✓ Don't open suspicious email attachments or any attachment from unknown senders
- ✓ Don't click ads on dodgy websites
- ✓ Get off of your "free" email provider: Gmail, Yahoo!, AOL, RoadRunner, CenturyLink, Hotmail, MSN, Verizon, etc.



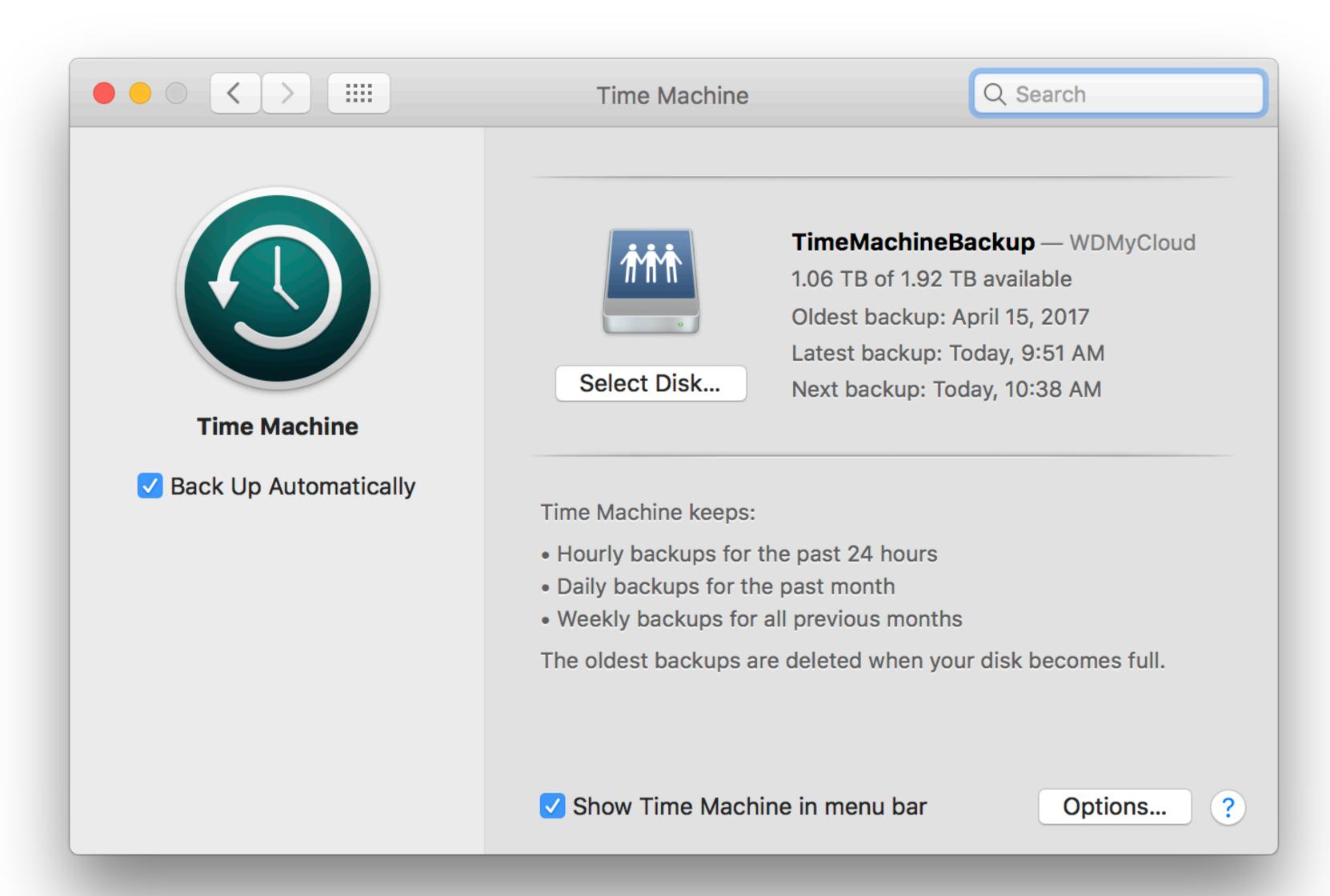
System Preferences → App Store

Enable Time Machine!



Enable Time Machine!

You have no excuse!



Using Email Aliases for Fun & Profit!





iCloud

iCloud IMAP

Nude Beach Bus

iCloud Mail Alias

pickleball

iCloud Mail Alias

Add an alias...

You have 2 of 3 aliases

Using Email Aliases for Fun & Profit!

- Everybody has (at least) one email address, right?
- But sometimes, you want another one:
 - Special projects
 - Hobbies
 - Junk mail



Charter Bus to Blind Creek Nude Beach

Sunday, August 20 @ 8am-7:30pm

Come with us for another wonderful day at Florida's newest and nicest nude beach! Join a luxury motor coach full of Cove people for a day at Blind Creek Beach in Fort Pierce, about 2.5 hours from Cypress Cove. Enjoy the beautiful sandy beach and the lovely Atlantic ocean warmed by Florida's summer sun.

Just fifty seats on the bus, so get your tickets today!

\$25 per person

For tickets & more information:

Email NudeBeachBus@iCloud.com

Email Alias

What is an Email Alias?

- An email alias is a real email address that re-directs into your main mailbox
- Aliases can always receive incoming mail; some can also be set up to send from the alias address

Email alias:

Incoming message

Received at:

pickleball@me.com

mikesullivan@me.com

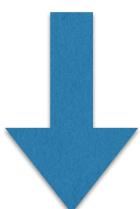
Email alias:

Incoming message

Received at:

pickleball@me.com

mikesullivan@me.com



Can reply from:

pickleball@me.com

iCloud Email Aliases

- Apple's iCloud email service provides up to 3 email aliases in your account
- Aliases are created, managed and deleted in the iCloud Mail web app at iCloud.com, and not from the Mail app on Mac
- They never expire, but once deleted, cannot be re-used
- You can disable an alias without deleting it, making it inactive
- They're free

Demo!





iCloud

iCloud IMAP

Nude Beach Bus

iCloud Mail Alias

pickleball

iCloud Mail Alias

Add an alias...

You have 2 of 3 aliases

Support the Cove Apple Club





MEETINGS **EMAIL LIST** ARCHIVES

SHARE. LEARN. LAUGH!

Join over 200 Cypress Cove residents and members in the Cove Apple Club, and you'll learn more and get a lot more fun and productivity out of all your Apple gear! The Cove Apple Club has been meeting every month for over a decade, and the fun just keeps getting better and better!

We meet twice a month, year-round. Check our <u>upcoming meeting schedule</u> and plan to join us at our next meeting!

If you're new to the world of Apple, an old Machead from years back, or even a frustrated Windows user, you will find something interesting and entertaining at each of our meetings. Our meetings are fun and informative, with topics presented covering the range from beginner to advanced.

Our focus is on Apple products, but we often also look at other new technologies not specific to the Apple platform, ranging from computer security to Internet telephony to changes in the industry to neat new tech gadgets of interest to everyone.

All Apple products are fair game at our meetings: iPad, iPhone, iPod and Macs of all sizes, as well as the huge world of Apple software, hardware and accessories.

Find out more about the club, our meeting schedule and how you can get in on the fun. Click the links below for details, and be sure to join our email list for all the latest updates.

Come join us and learn how to DO MORE and HAVE FUN with your Apple gear!



Everyone is welcome at our club meetings. We warmly welcome curious or frustrated PC, Windows and Android users, as well as anyone interested in anything Apple-related. There's a little something for everyone at each and every Cove Apple Club meeting, so don't miss out!



MEETINGS





EMAIL LIST



MEETINGS

EMAIL LIST

SHOP

ARCHIVES

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MEETINGS





EMAIL LIST





ME MEETINGS EMAIL LIST SHOP ARCHIVES

SUPPORT THE COVE APPLE CLUB WHEN YOU SHOP AT AMAZON.COM

The next time you need some new Apple or other tech gear (or anything else from the 20,000,000 items in stock!), start your online shopping session with our link to Amazon.com. Your purchase will earn a little money for the Cove Apple Club, which we save up all year for a big Holiday Party for all members of the club! We update club members on the earnings every month.

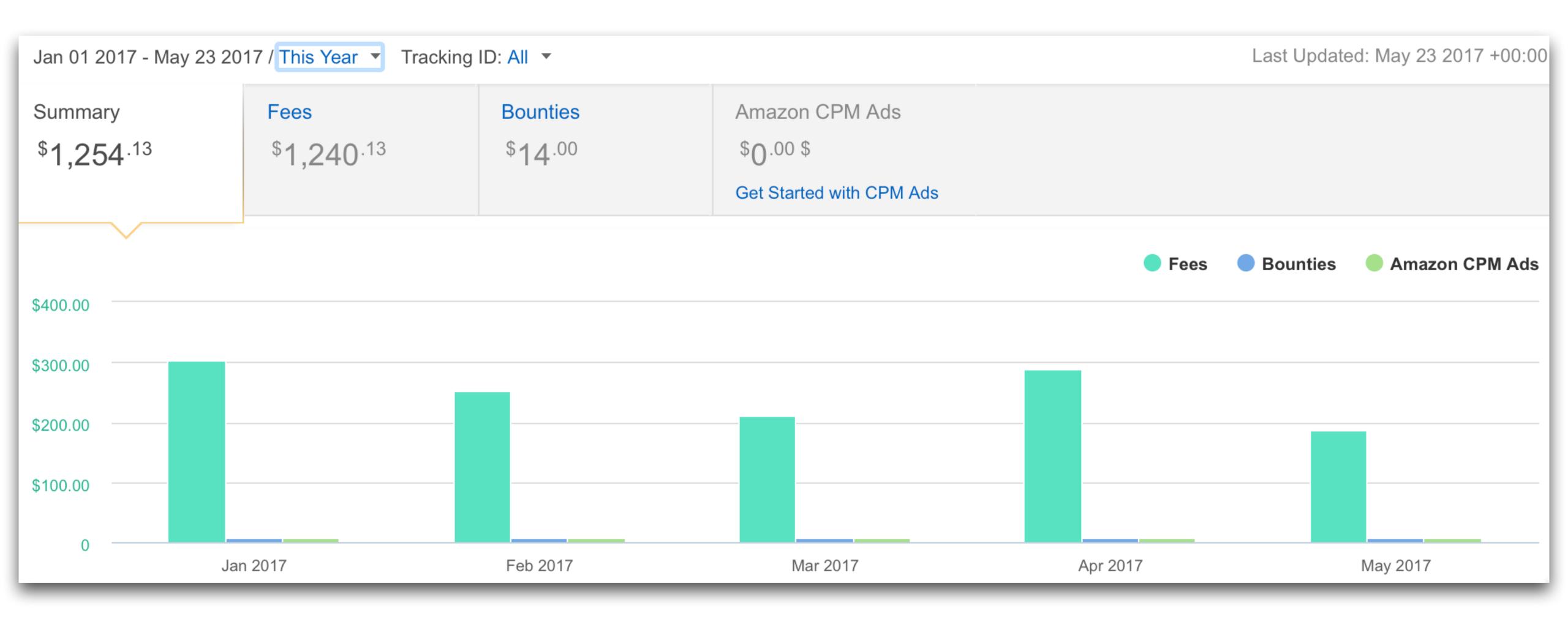
So be sure to click the Amazon logo below when you need to shop for Mac products online...and "give back" to the Cove Apple Club -- without costing you an extra cent! Thanks!

THREE EASY WAYS TO USE THE AMAZON SHOPPING LINK

- 1. <u>Just click here</u> you'll be sent to the Amazon.com homepage.
 - 1. Once you arrive at the Amazon homepage, **BOOKMARK** that page:
 - 1. In Safari on Mac, type Cmd-D
 - 2. In Safari on iOS, tap the Share widget, then tap Add to Favorites or Add Bookmark.
- 2. Drag this link: **Amazon** to your Favorites bar in your Web browser. Then it's handy anytime you want to visit Amazon.
- 3. Just click the Amazon banner ad below.



2017 YTD





Prime Day is Coming!

- Christmas in July for Amazon Prime members!
- Last year's Prime Day was July 12
 and it was a monster
- Remember, you can join Prime and pay month-to-month for just \$8.99, and cancel any time



Everything included in Prime

Twitch Prime

Get free game content every month, ad-free Twitch viewing, Twitch Channel Subscription, plus loads more.

Member Exclusive Discount on Video Games

Discounts apply to pre-orders and collector's editions for PC, PlayStation 4, XBox One, Wii U, 3DS and more.

Kindle First

Choose one Kindle book of the six Editors' Picks each month for free.

Prime Photos

Free unlimited photo storage for you and five others. Plus, upgraded search helps you find photos fast.

Prime Video

Stream thousands of movies and TV shows at no additional cost on over 200 devices.

Prime Delivery

FREE Two-Day Shipping on millions of items, FREE Same-Day Delivery in select areas & more.

Amazon Family

20% off diapers subscriptions and 15% off eligible products from your baby registry, compliments of Amazon Family

Amazon FreeTime Unlimited

Access to thousands of kidfriendly books, shows, games and more, for just \$2.99/month.

Early Access to Deals

Prime members get 30-minute early access to Lightning Deals on Amazon.com.

Amazon Prime Store

Card

Earn 5% back every day with Amazon Prime Store Card.

Prime Now

One and two-hour delivery on tens of thousands of items from Amazon and local stores.

Washington Post Free Trial

Limited time: Enjoy unlimited access to the Washington Post with a six-month free trial.

Audible Channels

Unlimited listening to original audio series and playlists handcrafted for every interest.

Amazon Channels

Only for Prime: Sign up for a free trial for over 80 premium networks including HBO, SHOWTIME and STARZ.
Cancel anytime.

Prime Reading

Enjoy unlimited reading on any device, with over a thousand books, magazines, books with Audible narration, comics, articles, Kindle Singles, and more.

Prime Music

Stream a growing selection of

Prime Pantry

Everyday sizes of popular

Amazon Elements for

Drim

Amazon Dash for Prime

Share Your Prime

Share select Prime benefits

Six-month free trial of digital access to The Washington Post with Prime annual subscription.



Get Free Access to The Washington Post

Jeff Bezos, CEO & Founder of Amazon, owns the Washington Post.

Last Year's Prime Day Was Immense

- 43,000,000 orders across 21 countries — about 40 orders PER SECOND
- 90,000 HDTVs purchased
- New deals launching every 5 minutes

- "Several million" Fire Tablets and Fire Sticks sold
- One Alexa-only voice order per second
- Estimated \$3-billion in business in one day



But, not *every* Prime Day deal is a good deal!

Bum wad

- 12 "big" rolls of Cottonelle Ultra TP
- Order through Alexa only
- \$5.00 each!
- · SHIPPED!

"Alexa, order toilet paper."



Cottonelle Ultra Comfort Care Big Roll Toilet Paper, 12 Count



Amazon Price
Alexa's Discount

- \$2.99

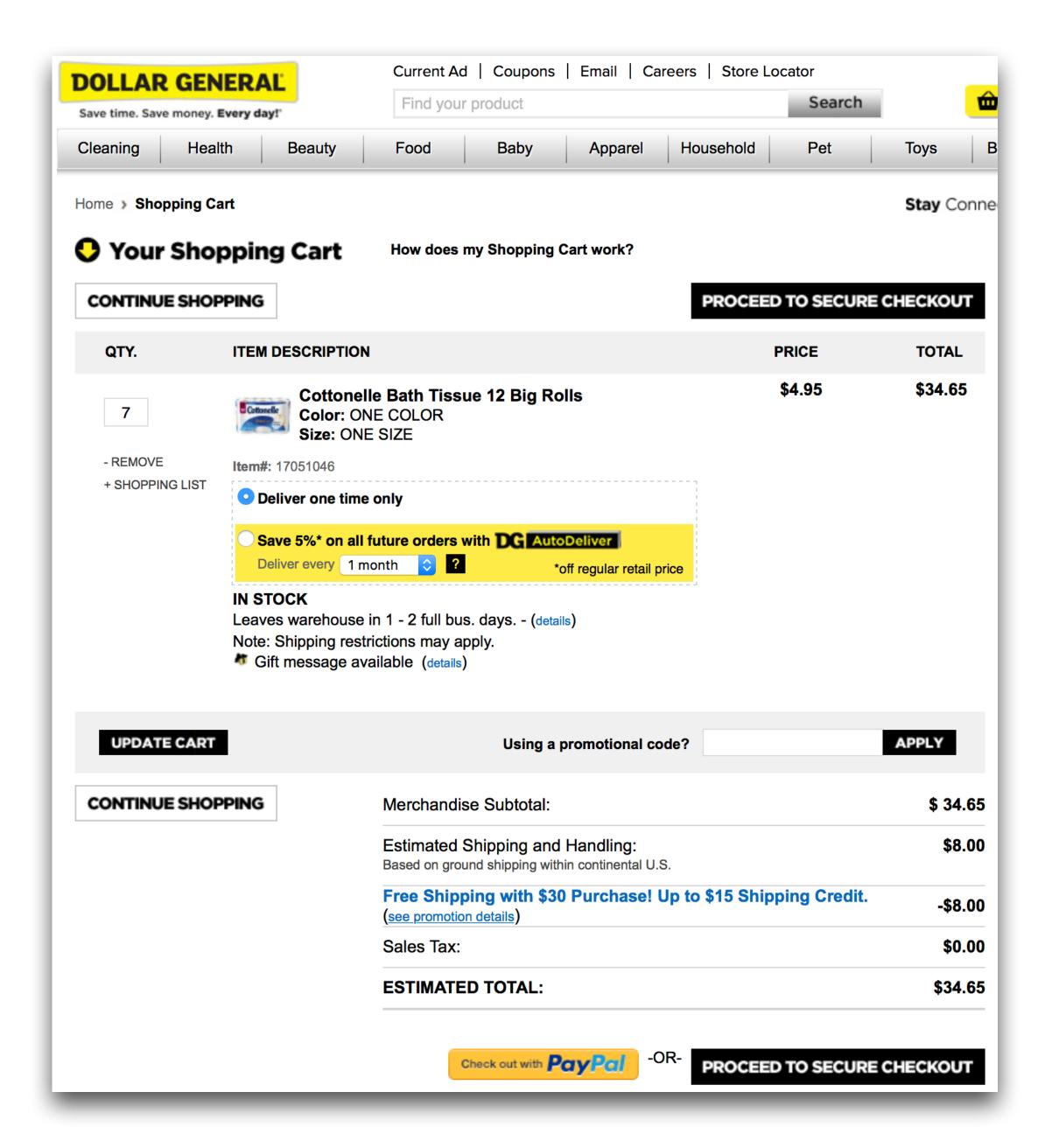
Alexa's Price

\$5.00

\$7.99

Bum deal

- Everyday price at Dollar General for the same exact item: \$4.95
- In-stock for immediate pickup 3 miles away
- Order 7 cases / \$30 or more and use "FREESHIPJULY" promo code for free shipping
- You save \$0.35 vs. Amazon Prime
 - no membership needed!



Our Next Meeting

JUN Cove Apple Club 7:00 PM - 8:15 PM

June Meetings?

June 20)17					< Today >
Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	Jun 1	2	3
4	5	6	7	8	9	10
11	12	13	• Cove Apple Club	15	16	17
18	19			22	23	24
25	26	27	28 • Cove Apple Club	29	30	Jul 1

Meeting & Happy Hour!

Cove Apple Club 7:00 PM - 8:15 PM

Meeting & Happy Hour!

- Happy Hour from 6-7pm
- Cove Apple Club provides a starter selection of cheap canned beer, and a few snacks
- PLEASE bring a SMALL item to share, and something better to drink!

JUN

Cove Apple Club 7:00 PM - 8:15 PM

July Meetings?

July 201	7					< Today >
Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	• Cove Apple Club	29	30	Jul 1
2	3	4	5	6	7	8
9	10		Cove April C Jib	13	14	15
16	17	18		20	21	22
23	24	25	• Cove Apple Club	27	28	29

See you at Cheeks!

