What THEY Know, What YOU Don't:

Snowden, Surveillance, & Privacy

Missouri Scholars Academy

R. Scott Granneman
Denise Lieberman

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1.3

Notes & URLs for this presentation can be found…

» underneath the link to this slide on granneman.com
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Scott Granneman

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Scott Granr …in a Web development company in St. Louis, Missouri. Scott has written six books, contributed … SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis … technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, devel… states using an open source, UNIX-based content management system. He has given presentatio… peaking to people.

Key S…

Pages you're…

Personal

- Publications
- Summer Vacation 2007: The Plains

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus
- …ming Syllabus (8-Week)

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?

Scott

Countdown begins

Commencement is Friday, May 16, and the excitement around campus is building. Visit commencement.wustl.edu for the latest information on the big day.

Read more

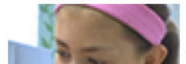
University Community

Key Initiatives

Our overarching goal is to enhance
our leadership today to benefit America and the world tomorrow. How do we achieve that? We focus on key issues facing a global society.

News

Students 'print' pink prosthetic arm for teen girl



Robotic arm offers new functions at low cost.

Washington University in St. Louis

Technology in Our Changing Society
Technology for Managers
Web Development & Advanced Web Development
From Blogs to Wikis
Communications Technology & the Law
Practical Security
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COMMENCEMENT

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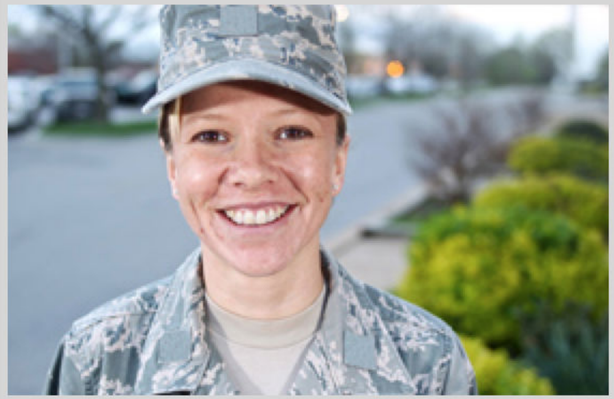

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Programming for the Web (Communications)
Introduction to Web Programming (Computer Science)
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News and Media

There are no items to show.

Announcements

Featured Classes

Highlights

2015 Roundtable Schedule Available!

Professional Education
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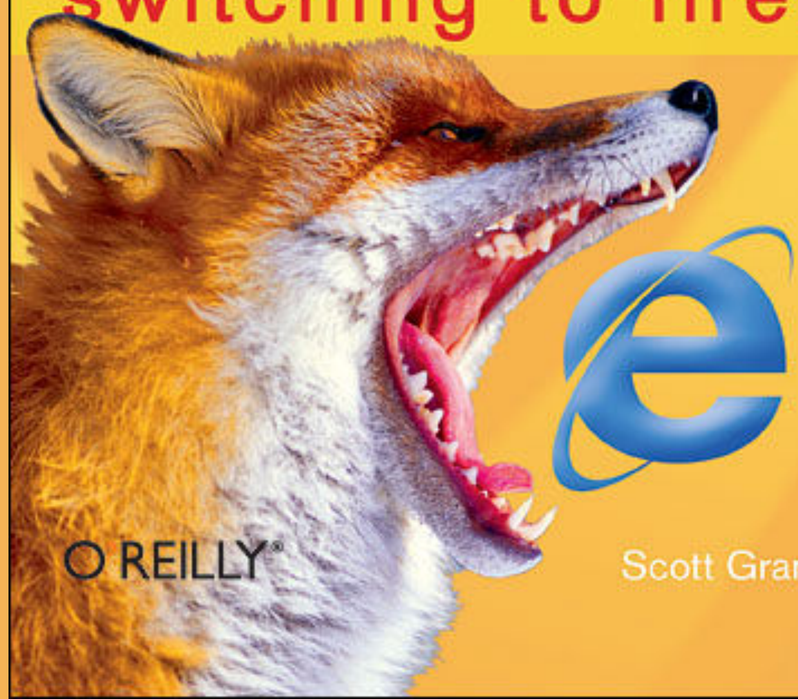
Exploring HTML5 & CSS
Advanced CSS
Mastering Effective Web Design
HTML to CSS to Responsive Web Design

don't click on the blue e!

switching to firefox



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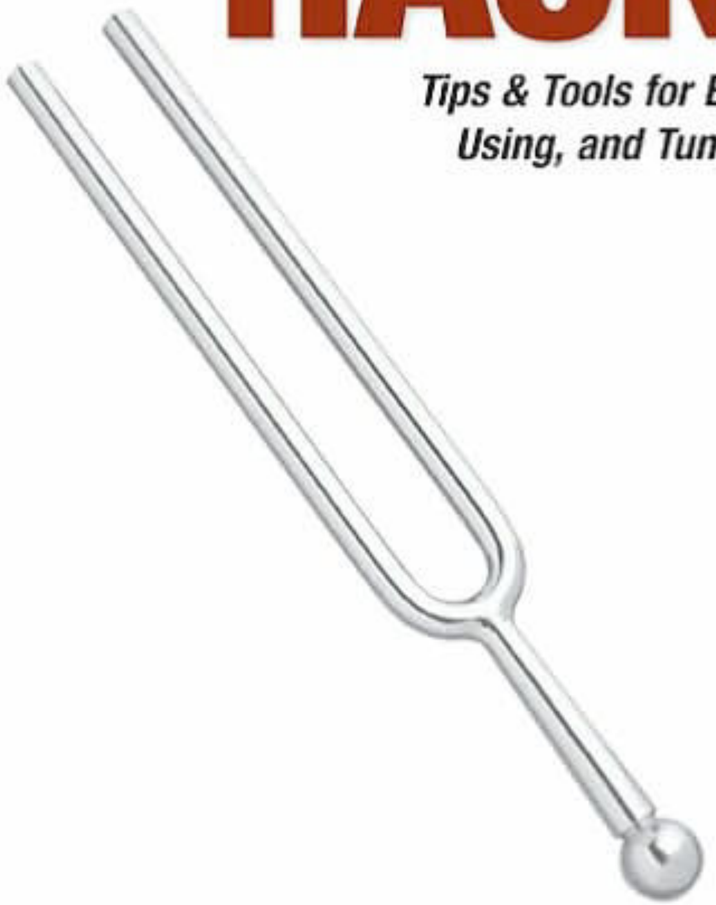
PHRASEBOOK

UBUNTU HACKS

Tips & Tools for Exploring, Using, and Tuning Linux



Kyle Rankin, Jonathan Oxer & Bill Childers

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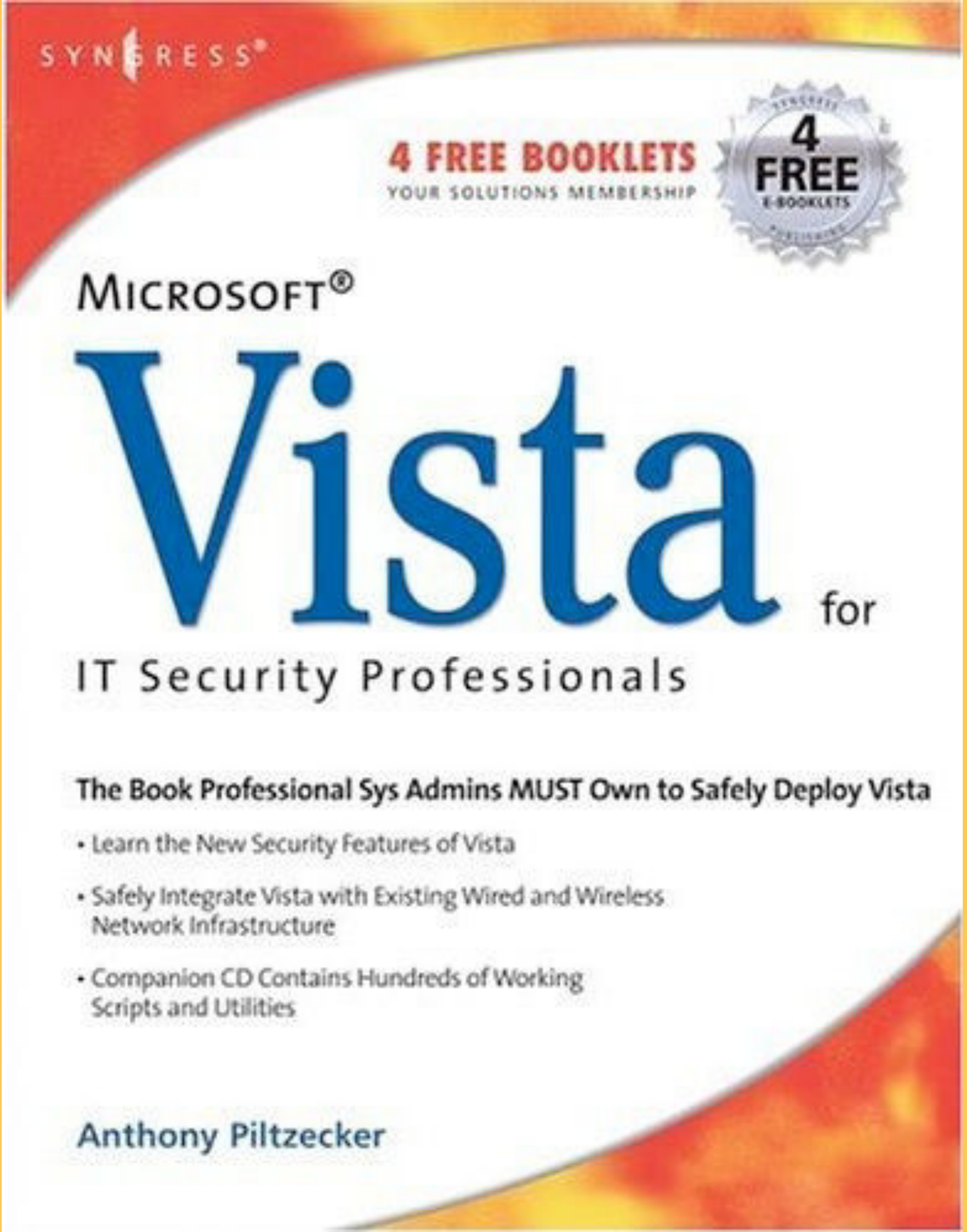
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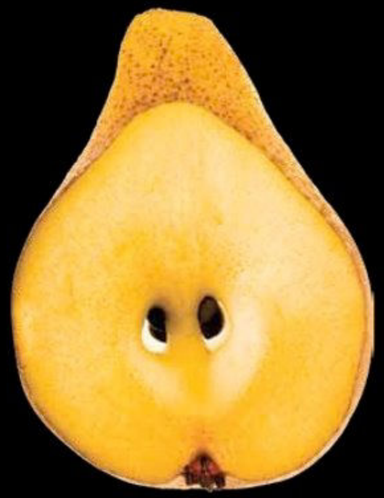
PRACTICE SOFTWARE FREEDOM

Mac and iPhone book for
users and developers



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RFID Chips Are Here

Scott Granneman, 2003-06-26

RFID chips are being embedded in everything from jeans to paper money, and your privacy is at stake.

Bar codes are something most of us never think about. We go to the grocery store to buy dog food, the checkout person runs our selection over the scanner, there's an audible beep or boop, and then we're told how much money we owe. Bar codes in that sense are an invisible technology that we see all the time, but without thinking about what's in front of our eyes.

" Right now, you can buy a hammer, a pair of jeans, or a razor blade with anonymity. With RFID tags, that may be a thing of the past. "

Bar codes have been with us so long, and they're so ubiquitous, that its hard to remember that they're a relatively new technology that took a while to catch on. The patent for bar codes was issued in 1952. It took twenty years before a standard for bar codes was approved, but they still didn't catch on. Ten years later, only 15,000 suppliers were using bar codes. That changed in 1984. By 1987 - only three years later! - 75,000 suppliers were using bar codes. That's one heck of a growth curve.

So what changed in 1984? Who, or what, caused the change?

Wal-Mart.

When Wal-Mart talks, suppliers listen. So when Wal-Mart said that it wanted to use bar codes as a better way to manage inventory, bar codes became de rigeur. If you didn't use bar codes, you lost Wal-Mart's business. That's a death knell for most of their suppliers.

The same thing is happening today. I'm here to tell you that the bar code's days are numbered. There's a new technology in town, one that at first blush might seem insignificant to security professionals, but it's a technology that is going to be a big part of our future. And how do I know this? Pin it on Wal-Mart again; they're the big push behind this new technology.

So what is it? RFID tags.

RFID 101

DECEMBER 2005 LINUX MAGAZINE Interview with Marten Mickos • MySQL 5 • Wireless USB Volume 7 / Issue 12

LINUX MAGAZINE

OPEN SOURCE. OPEN STANDARDS.

THE MYSQL DATABASE LEAPS AHEAD

INTERVIEW WITH MÅRTEN MICKOS

The MySQL AB CEO on Open Source, Staying Competitive

APPLICATION DEVELOPMENT WITH MYSQL 5

Coding with Triggers, Views, and Stored Procedures

PERIPHERALS UNBOUND

Wireless USB Banishes Cables

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DECEMBER 2005

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FEATURES

- See KTVI's story on animals in winter
- Watch videos of tree kangaroo, meerkats and a sea lion enjoying snow
- Valentine Adoption Cuddle with a colobus monkey!
- Delta Dental Winter Zoo and Mardi Gras
- Untamed Hearts: Valentine's Day Dinner

ACLU
AMERICAN CIVIL LIBERTIES UNION of NEW JERSEY

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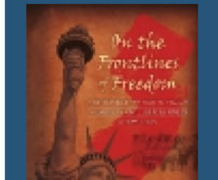
ACLU-NJ REPORT REVEALS TROUBLING USE OF STOP-AND-FRISK IN NEWARK

NEWARK – Newark Police officers use stop-and-frisk with troubling frequency and in a manner that leads to racial disparities, according to a report released by the American Civil Liberties Union of New Jersey. The report analyzes the first six months of data from the Newark Police Department, which releases the information on its website monthly in

ON THE FRONTLINES OF FREEDOM



Get your copy of the book chronicling the history of the ACLU-NJ. Author Mary Jo Patterson provides an exclusive front row seat to

EPISCOPAL DIOCESE OF CHICAGO

The Diocese of Chicago devotes itself to three simple goals: Grow the Church. Form the faithful. Change the world.

New Bishop's Staff Members Named

The Rev. Andrea Mysen has been called as associate for ministries. She will work collaboratively to support congregations, search committees and vestries through a broad range of activities including recruitment and leadership development.

Karin Gutierrez joins us as administrative assistant for Operations. Gutierrez is a familiar face and voice to those who visit St. James Commons, having served as morning receptionist since August 2012. Read more.

An Easter Message from Bishop Lee

The Time They Began to Live Again

Calendar

Analyzing Systemic Racism Workshop

Department of Neurology

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Denise

Legal Director of ACLU-EM, 1997-2005

Senior Attorney, 2006–Present

Washington University in St. Louis

Courts & Civil Liberties
National Security, Civil Liberties & the Law
Voting Rights & Election Law
Gender & Law
Sexuality & Law
Communications Technology & the Law

Technology never gets worse. It only gets better.

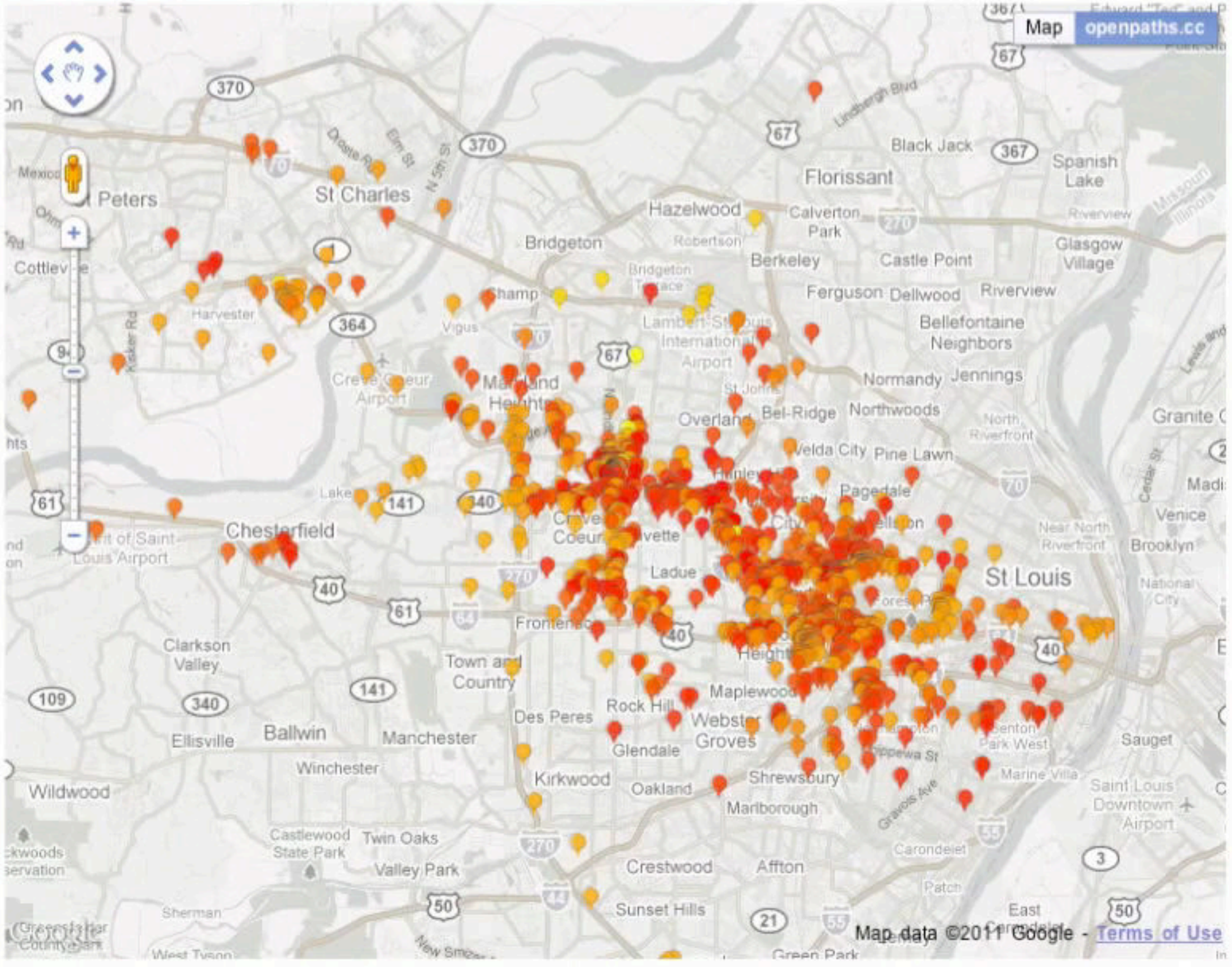
Bruce Schneier

You have zero privacy anyway.
Get over it.

Scott McNealy, SUN, 1999

Any unencrypted message sent over the Internet is being delivered to every intelligence service in the world.

Edward Snowden, August 13, 2013



Animate ☐

Show Lines ☐

Markers ☑

Follow ☑

Move Speed 0.5

Hour Spectrum Colors

Day/Night Colors

Weekday/Weekend Colors

Unicorn Rainbow Colors

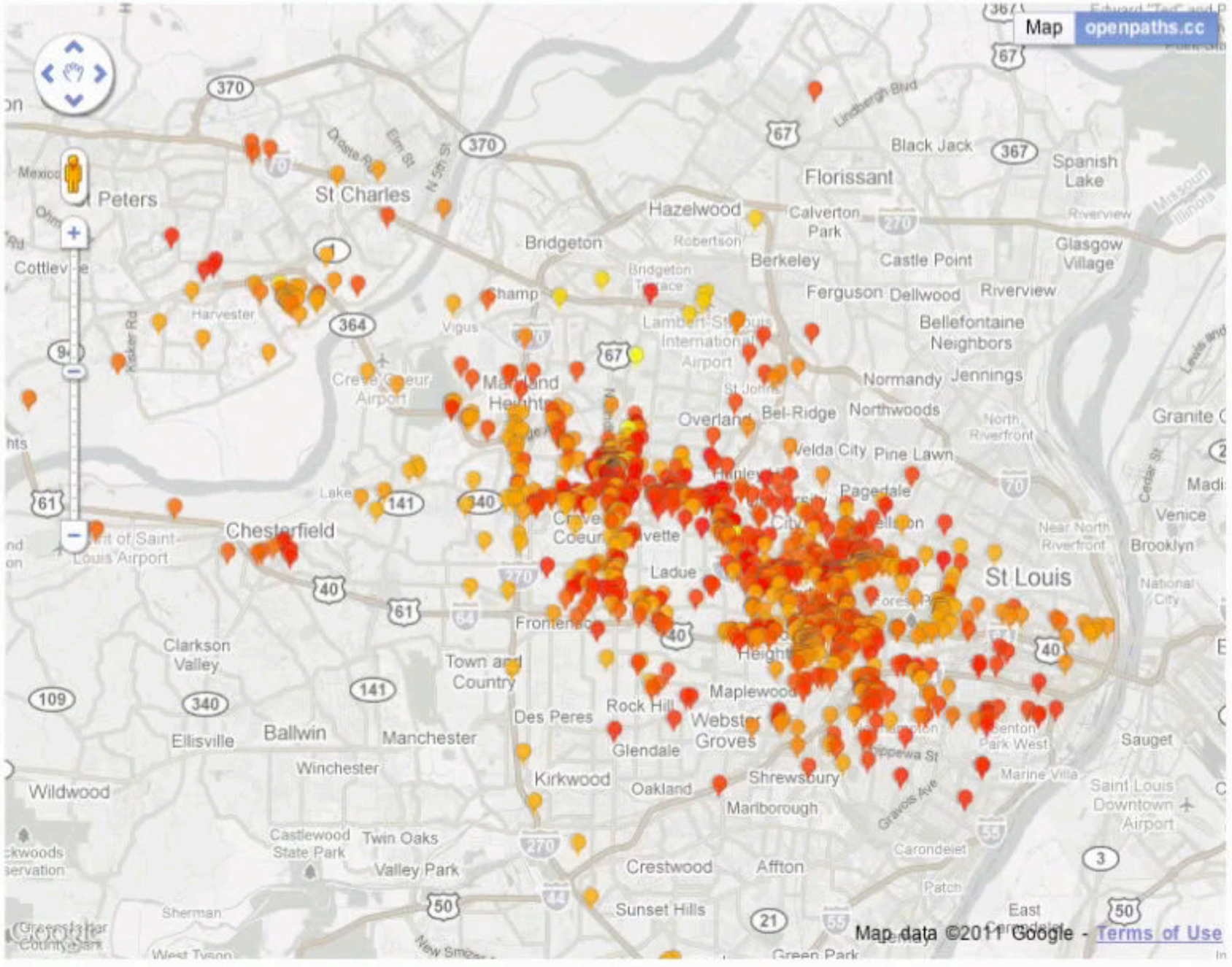
Reset Map

Close Controls

Thu May 5, 2011 9:44

Key

morning noon evening



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Weekday/Weekend Colors

Unicorn Rainbow Colors

Reset Map

Close Controls

Thu May 5, 2011 9:44

Key

morning noon evening

ATLANTA
BREAD
COMPANY
BAKERY CAFE
intel inside
pentium 4
Designed for
Microsoft
Windows XP

Sniffers

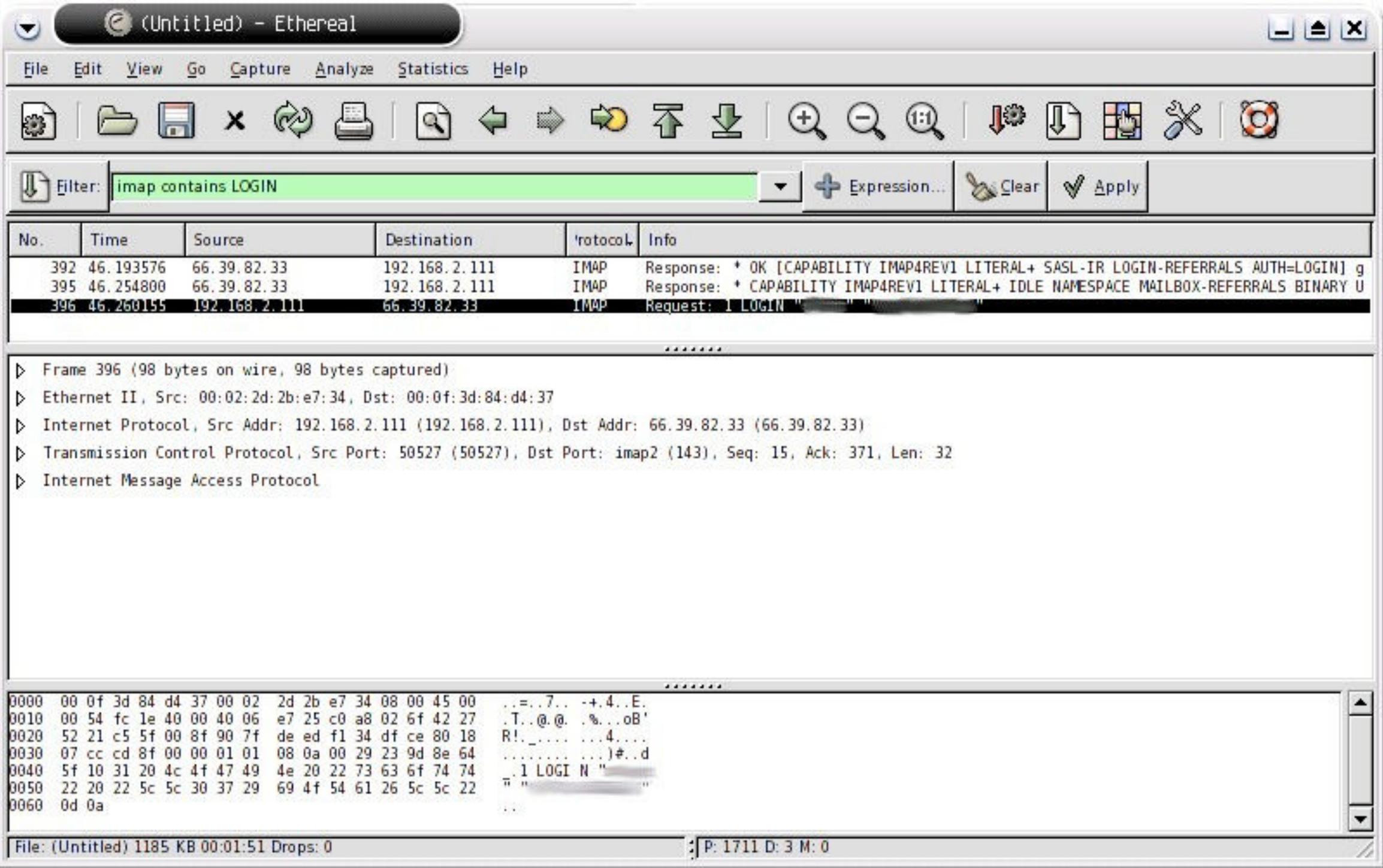
DISCOVERY &
HEALTH SECTION
WHAT'S SHAKIN' IN THE
PET EVENT CENTRE?

What's a *packet sniffer*?

A program and/or device that captures the data passing through a network

» Where data is coming from
» Where data is going
» What the data is

www.wireshark.org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Expression... Clear Apply
No. Time Source Destination Protocol Info
392 46.193576 66.39.82.33 192.168.2.111 IMAP Response: * OK [CAPABILITY IMAP4REV1 LITERAL+ SASL-IR LOGIN-REFERRALS AUTH=LOGIN] g
395 46.254800 66.39.82.33 192.168.2.111 IMAP Response: * CAPABILITY IMAP4REV1 LITERAL+ IDLE NAMESPACE MAILBOX-REFERRALS BINARY U
396 46.260155 192.168.2.111 66.39.82.33 IMAP Request: 1 LOGIN "[redacted]" "[redacted]"
Frame 396 (98 bytes on wire, 98 bytes captured)
Ethernet II, Src: 00:02:2d:2b:e7:34, Dst: 00:0f:3d:84:d4:37
Internet Protocol, Src Addr: 192.168.2.111 (192.168.2.111), Dst Addr: 66.39.82.33 (66.39.82.33)
Transmission Control Protocol, Src Port: 50527 (50527), Dst Port: imap2 (143), Seq: 15, Ack: 371, Len: 32
Internet Message Access Protocol
0000 00 0f 3d 84 d4 37 00 02 2d 2b e7 34 08 00 45 00 ..=..7.. -+.4..E.
0010 00 54 fc 1e 40 00 40 06 e7 25 c0 a8 02 6f 42 27 .T..@.@. .%...oB'
0020 52 21 c5 5f 00 8f 90 7f de ed f1 34 df ce 80 18 R!._.... ...4....
0030 07 cc cd 8f 00 00 01 01 08 0a 00 29 23 9d 8e 64 ....)#..d
0040 5f 10 31 20 4c 4f 47 49 4e 20 22 73 63 6f 74 74 _.1 LOGI N "[redacted]
0050 22 20 22 5c 5c 30 37 29 69 4f 54 61 26 5c 5c 22 " "[redacted]"
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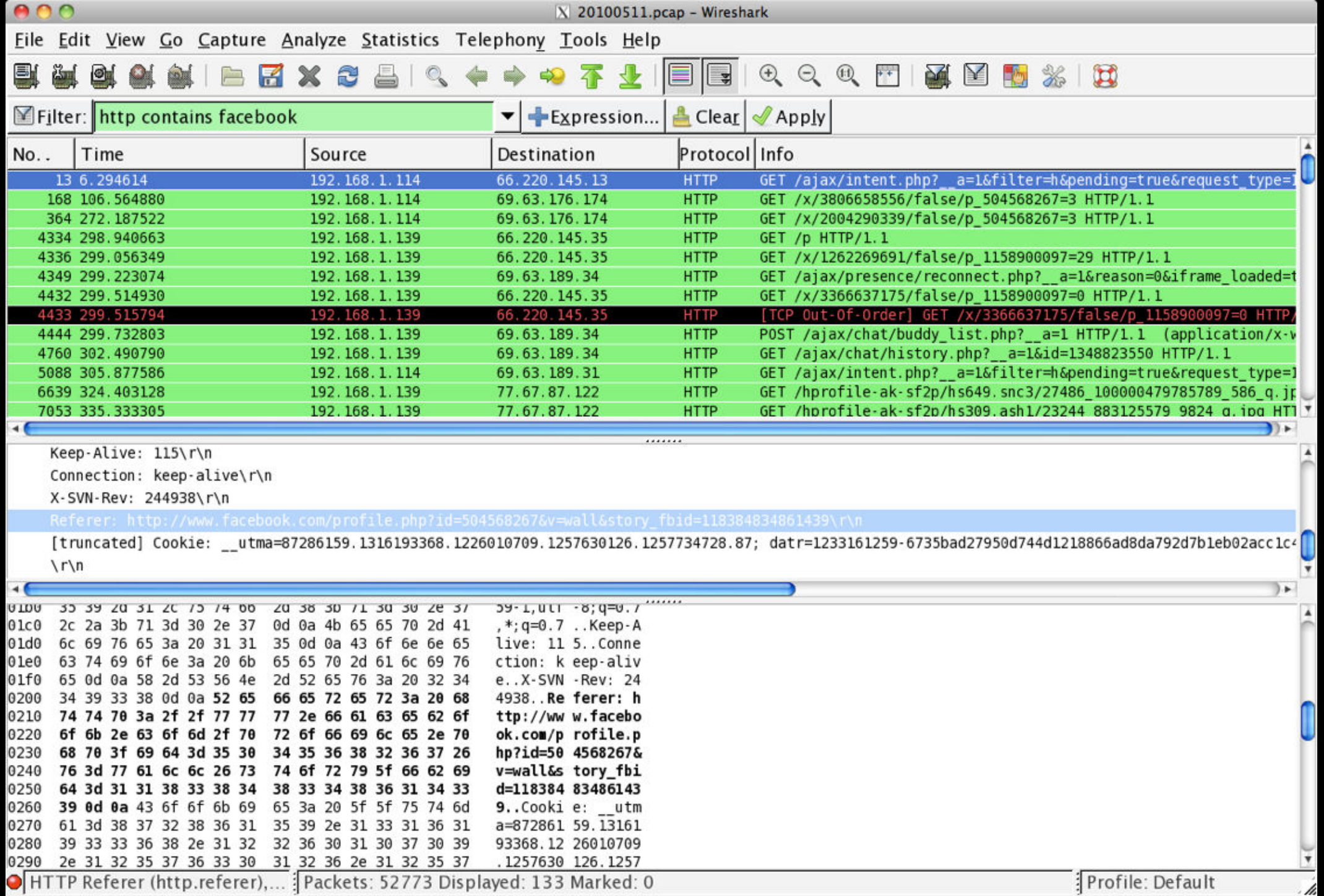
20100511.pcap - Wireshark
File Edit View Go Capture Analyze Statistics Telephony Tools Help
Filter: http contains facebook
Expression... Clear Apply
No. . Time Source Destination Protocol Info
13 6.294614 192.168.1.114 66.220.145.13 HTTP GET /ajax/intent.php?__a=1&filter=h&pending=true&request_type=1
168 106.564880 192.168.1.114 69.63.176.174 HTTP GET /x/3806658556/false/p_504568267=3 HTTP/1.1
364 272.187522 192.168.1.114 69.63.176.174 HTTP GET /x/2004290339/false/p_504568267=3 HTTP/1.1
4334 298.940663 192.168.1.139 66.220.145.35 HTTP GET /p HTTP/1.1
4336 299.056349 192.168.1.139 66.220.145.35 HTTP GET /x/1262269691/false/p_1158900097=29 HTTP/1.1
4349 299.223074 192.168.1.139 69.63.189.34 HTTP GET /ajax/presence/reconnect.php?__a=1&reason=0&iframe_loaded=t
4432 299.514930 192.168.1.139 66.220.145.35 HTTP GET /x/3366637175/false/p_1158900097=0 HTTP/1.1
4433 299.515794 192.168.1.139 66.220.145.35 HTTP [TCP Out-Of-Order] GET /x/3366637175/false/p_1158900097=0 HTTP/
4444 299.732803 192.168.1.139 69.63.189.34 HTTP POST /ajax/chat/buddy_list.php?__a=1 HTTP/1.1 (application/x-w
4760 302.490790 192.168.1.139 69.63.189.34 HTTP GET /ajax/chat/history.php?__a=1&id=1348823550 HTTP/1.1
5088 305.877586 192.168.1.114 69.63.189.31 HTTP GET /ajax/intent.php?__a=1&filter=h&pending=true&request_type=1
6639 324.403128 192.168.1.139 77.67.87.122 HTTP GET /hprofile-ak-sf2p/hs649.snc3/27486_100000479785789_586_q.jp
7053 335.333305 192.168.1.139 77.67.87.122 HTTP GET /hprofile-ak-sf2p/hs309.ash1/23244_883125579_9824_q.jpg HTT
Keep-Alive: 115\r\n
Connection: keep-alive\r\n
X-SVN-Rev: 244938\r\n
Referer: http://www.facebook.com/profile.php?id=504568267&v=wall&story_fbid=118384834861439\r\n
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01c0 2c 2a 3b 71 3d 30 2e 37 0d 0a 4b 65 65 70 2d 41 ,*;q=0.7 ..Keep-A
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0200 34 39 33 38 0d 0a 52 65 66 65 72 65 72 3a 20 68 4938..Re ferer: h
0210 74 74 70 3a 2f 2f 77 77 77 2e 66 61 63 65 62 6f ttp://ww w.facebo
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0240 76 3d 77 61 6c 6c 26 73 74 6f 72 79 5f 66 62 69 v=wall&s tory_fbi
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0270 61 3d 38 37 32 38 36 31 35 39 2e 31 33 31 36 31 a=872861 59.13161
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0290 2e 31 32 35 37 36 33 30 31 32 36 2e 31 32 35 37 .1257630 126.1257
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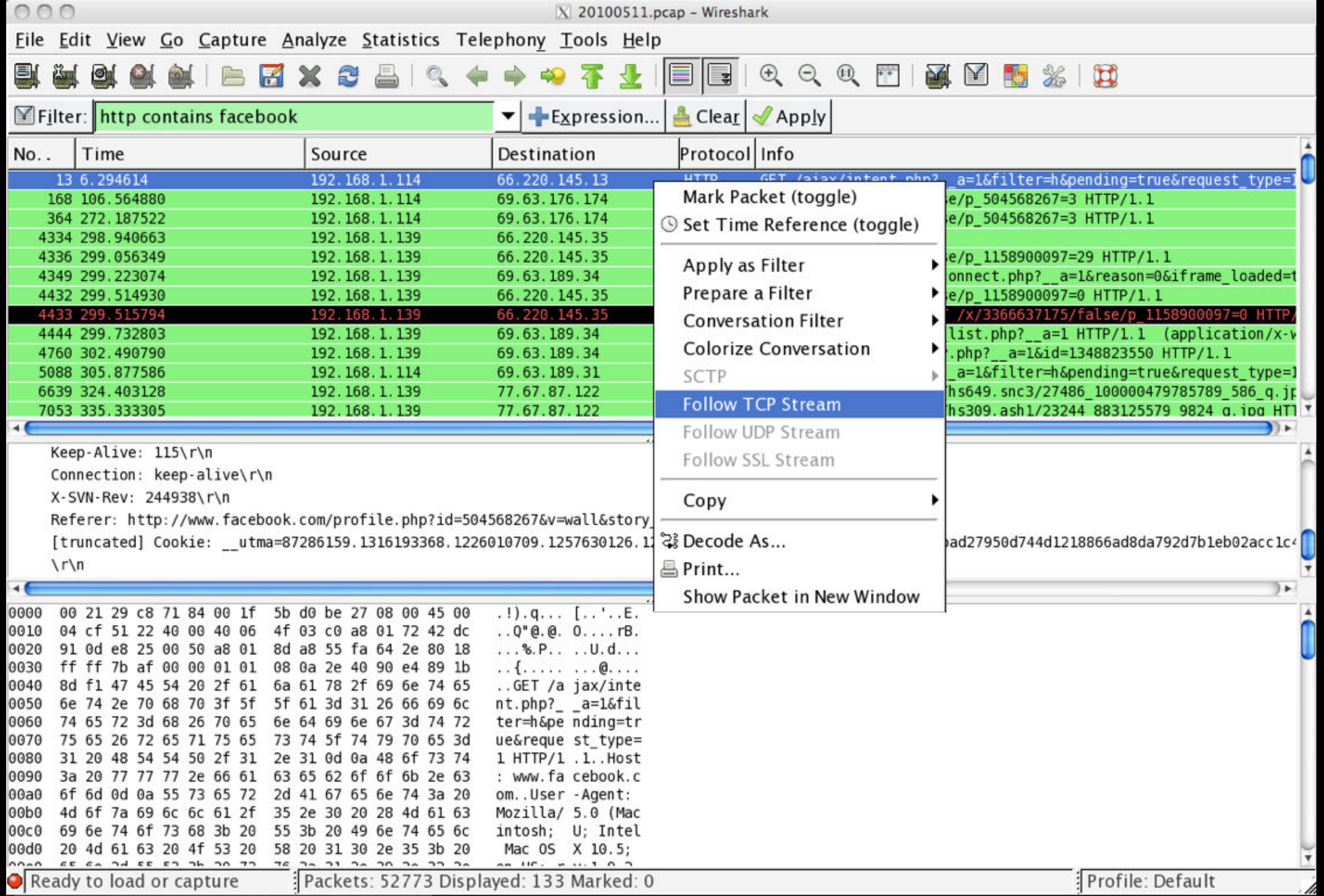
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168 106.564880 192.168.1.114 69.63.176.174
364 272.187522 192.168.1.114 69.63.176.174
4334 298.940663 192.168.1.139 66.220.145.35
4336 299.056349 192.168.1.139 66.220.145.35
4349 299.223074 192.168.1.139 69.63.189.34
4432 299.514930 192.168.1.139 66.220.145.35
4433 299.515794 192.168.1.139 66.220.145.35
4444 299.732803 192.168.1.139 69.63.189.34
4760 302.490790 192.168.1.139 69.63.189.34
5088 305.877586 192.168.1.114 69.63.189.31
6639 324.403128 192.168.1.139 77.67.87.122
7053 335.333305 192.168.1.139 77.67.87.122
Mark Packet (toggle)
Set Time Reference (toggle)
Apply as Filter
Prepare a Filter
Conversation Filter
Colorize Conversation
SCTP
Follow TCP Stream
Follow UDP Stream
Follow SSL Stream
Copy
Decode As...
Print...
Show Packet in New Window
Keep-Alive: 115\r\n
Connection: keep-alive\r\n
X-SVN-Rev: 244938\r\n
Referer: http://www.facebook.com/profile.php?id=504568267&v=wall&story_
[truncated] Cookie: __utma=87286159.1316193368.1226010709.1257630126.1
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0000 00 21 29 c8 71 84 00 1f 5b d0 be 27 08 00 45 00 .!).q... [..'..E.
0010 04 cf 51 22 40 00 40 06 4f 03 c0 a8 01 72 42 dc ..Q"@.@. O....rB.
0020 91 0d e8 25 00 50 a8 01 8d a8 55 fa 64 2e 80 18 ...%.P.. ..U.d...
0030 ff ff 7b af 00 00 01 01 08 0a 2e 40 90 e4 89 1b ..{..... ...@....
0040 8d f1 47 45 54 20 2f 61 6a 61 78 2f 69 6e 74 65 ..GET /a jax/inte
0050 6e 74 2e 70 68 70 3f 5f 5f 61 3d 31 26 66 69 6c nt.php?_ _a=1&fil
0060 74 65 72 3d 68 26 70 65 6e 64 69 6e 67 3d 74 72 ter=h&pe nding=tr
0070 75 65 26 72 65 71 75 65 73 74 5f 74 79 70 65 3d ue&reque st_type=
0080 31 20 48 54 54 50 2f 31 2e 31 0d 0a 48 6f 73 74 1 HTTP/1 .1..Host
0090 3a 20 77 77 77 2e 66 61 63 65 62 6f 6f 6b 2e 63 : www.fa cebook.c
00a0 6f 6d 0d 0a 55 73 65 72 2d 41 67 65 6e 74 3a 20 om..User -Agent:
00b0 4d 6f 7a 69 6c 6c 61 2f 35 2e 30 20 28 4d 61 63 Mozilla/ 5.0 (Mac
00c0 69 6e 74 6f 73 68 3b 20 55 3b 20 49 6e 74 65 6c intosh; U; Intel
00d0 20 4d 61 63 20 4f 53 20 58 20 31 30 2e 35 3b 20 Mac OS X 10.5;
Ready to load or capture
Packets: 52773 Displayed: 133 Marked: 0
Profile: Default

Follow TCP Stream

Stream Content

```
GET /ajax/intent.php?__a=1&filter=h&pending=true&request_type=1 HTTP/1.1
Host: www.facebook.com
User-Agent: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.5; en-US; rv:1.9.2.3) Gecko/20100401 Firefox/3.6.3
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-us,en;q=0.5
Accept-Encoding: gzip,deflate
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7
Keep-Alive: 115
Connection: keep-alive
X-SVN-Rev: 244938
Referer: http://www.facebook.com/profile.php?id=504568267&v=wall&story_fbid=118384834861439
Cookie: __utma=87286159.1316193368.1226010709.1257630126.1257734728.87;
datr=1233161259-6735bad27950d744d1218866ad8da792d7b1eb02acc1c44d0580c; lxe=yunicornechu%40yahoo.com; xs=6937dd979d5f3e2ae4e4ae22912f65c9;
lo=hExjWSXqWGyly5VASXeUeQ; lxr=1; locale=en_US; c_user=504568267; sct=1272591608; sid=3; x-referer=http%3A%2F%2Fwww.facebook.com%2F%3Fref%
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8222Z284BlcPBcvrADrA0.96BtsP273588495QQQ; cur_max_lag=2; e=n

[12968 bytes missing in capture file]Ys....x.....
m..Z.......ek.-!
J*%.k..........I.....W..!
.,...!D5...d.k.z.x..2.gv!..0.......|."..+.
... S....e.......b..+..M....~B..-......>.6..tEu,..f..K/.._z...2w...a.....Q...#6..t..0.$......r.......l..
.......K..w.p..,........a(........].>
```

Find | Save As | Print | Entire conversation (10512 bytes) | ○ ASCII ○ EBCDIC ○ Hex Dump ○ C Arrays ◉ Raw

Help | Filter Out This Stream | Close

Follow TCP Stream

Stream Content

```
GET /ajax/intent.php?__a=1&filter=h&pending=true&request_type=1 HTTP/1.1
Host: www.facebook.com
User-Agent: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.5; en-US; rv:1.9.2.3) Gecko/20100401 Firefox/3.6.3
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-us,en;q=0.5
Accept-Encoding: gzip,deflate
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7
Keep-Alive: 115
Connection: keep-alive
X-SVN-Rev: 244938
Referer: http://www.facebook.com/profile.php?id=504568267&v=wall&story_fbid=118384834861439
Cookie: __utma=87286159.1316193368.1226010709.1257630126.1257734728.87;
datr=1233161259-6735bad27950d744d1218866ad8da792d7b1eb02acc1c44d0580c; lxe=yunicornechu%40yahoo.com; xs=6937dd979d5f3e2ae4e4ae22912f65c9;
lo=hExjWSXqWGyly5VASXeUeQ; lxr=1; locale=en_US; c_user=504568267; sct=1272591608; sid=3; x-referer=http%3A%2F%2Fwww.facebook.com%2F%3Fref%
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presence=DJ273608322G14H0L504568267A3BF2736083251l0WMblcMsndPBbloMbvtP273590669BctP273604456BsbPBtA_7bQBuctP273608321BsA0QBblADacA29V27360
8222Z284BlcPBcvrADrA0.96BtsP273588495QQQ; cur_max_lag=2; e=n

[12968 bytes missing in capture file]Ys....x.....
m..Z.......ek.-!
J*%.k..........I.....W..!
.,...!D5...d.k.z.x..2.gv!..0.......|."..+.
... S....e.......b..+..M....~B..-......>.6..tEu,..f..K/.._z...2w...a.....Q...#6..t..0.$......r.......l..
.......K..w.p..,........a(........].>
```

Find | Save As | Print | Entire conversation (10512 bytes) | ○ ASCII ○ EBCDIC ○ Hex Dump ○ C Arrays ◉ Raw

Help | Filter Out This Stream | Close

View Photos of Kathryn (936)
View Videos of Kathryn (3)
Send Kathryn a Message

And when things start to happen, don't worry. Don't stew. Just go right along. You'll start happening too.

Information

Networks:
Washington University in St. Louis '09
Vanderbilt Grad Student '12

Relationship Status:
Married to
Rebecca Estee

Birthday:
November 25, 1986

Current City:
Saint Louis, MO

Friends

464 friends See All

Kathryn Austin

Add as Friend

Wall | Info

Kathryn only shares some of her profile information with everyone. If you know Kathryn, send her a message or add her as a friend.

About Me

Basic Info

Sex:	Female
Birthday:	November 25, 1986
Siblings:	Jay Austin
Parents:	Gene Austin
Relationship Status:	Married to Rebecca Estee
Anniversary:	August 20, 2005
Current City:	Saint Louis, Missouri
Hometown:	Austin, Texas
Religious Views:	everything and nothing, including but not limited to: DDR

Bio

There is always a reason to celebrate.

Favorite Quotations

How very special are we,
for just a moment to be,
part of life's eternal rhyme,
how very special are we,
to have on our family tree,
Mother Earth and Father Time.
-Charlotte's Web

Work and Education

Grad School Vanderbilt University '12 M.Ed.

Create an Ad

St Louis Bucket List
Things to do in St Louis before you die. One huge coupon emailed daily.
Like

Aspiring Photographer?
Earn your degree 100% online. Over 40 courses to choose from. Request FREE Information Today!
Like

Self-Publish Your Book
New book design, editing & marketing programs available to help you successfully self-publish. Click for 555 free book promotion tips.
Like

More Ads

Raymond Colletti

Mario Treto Jr.

Tony Renner

Amy Trummer

Andy Doy

Jennifer Serendipitous Minkowitz

Report/Block this Person

Share

Work and Education

Grad School	**Vanderbilt University '12** M.Ed. Human Development Counseling
College	**Washington University in St. Louis '09**
High School	**Westlake High School '05**

Likes and Interests

Activities	Mentoring, Singing, Geocaching	Mentoring
Interests	Complexity, Simplicity	Complexity
Music	More Fools than Wise, The Bright Light Social Hour, Beastpower	More Fools than Wise
Books	Oh, the Places You'll Go!	Oh, the Places You'll Go!
Television	SpongeBob SquarePants, Degrassi	SpongeBob SquarePants

Show other Pages

Chat (43)

Report/Block this Person

Share

Activities	Mentoring, Singing, Geocaching	Mentoring
Interests	Complexity, Simplicity	Complexity
Music	More Fools than Wise, The Bright Light Social Hour, Beastpower	More Fools than Wise
Books	Oh, the Places You'll Go!	Oh, the Places You'll Go!
Television	SpongeBob SquarePants, Degrassi	SpongeBob SquarePants

Show other Pages

Contact Information

Contact Info	Mobile Number:	5126951475
	Website:	http://fools.wustl.edu
	Facebook Profile:	http://www.facebook.com/austin.kathryn

Oh, & there’s no way to detect packet sniffing

Firesheep

Appeared October 27, 2010

Firefox extension

Makes *cookie sidejacking* easy

hide | Link to this page | Add to Widget | Add to aStore | Share on Twitter | Your Earnings Summary | What's New | Discussion Boards | amazonassociates
Settings

The All-New Kindle: $139

amazon.com Prime

Hello, Ralph S. Granneman. We have recommendations for you. (Not Ralph?)

Ralph's Amazon.com | Today's Deals | Gifts & Wish Lists | Gift Cards

Your Account | Help

Shop All Departments | Search | All Departments | GO | Cart | Your Lists

- Books
- Movies, Music & Games
- Digital Downloads
- Kindle
- Computers & Office
- Electronics
- Home, Garden & Pets
- Grocery, Health & Beauty
- Toys, Kids & Baby
- Clothing, Shoes & Jewelry
- Sports & Outdoors
- Tools & Home Improvement
- Automotive & Industrial

Outfit Your Kindle

Colorful new covers and sleeves. Shop now

Inspired by Your Shopping Trends

Fight the Cold
Visit Our Winter Warm-Up Store
Shop now

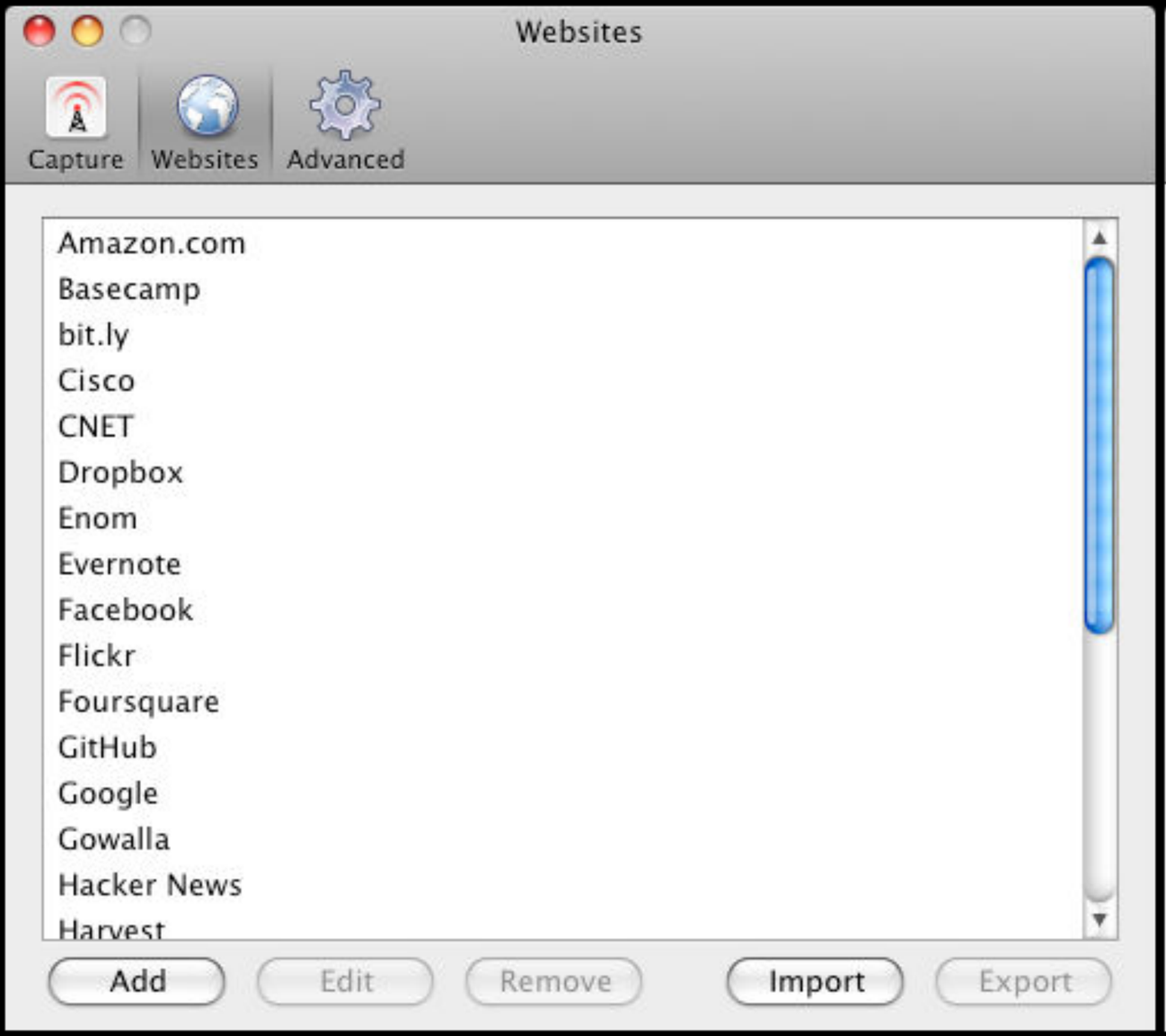
Something for Everyone
Shop Gifts & Wish Lists

Great Features, Low Prices
HDTVs under $499
Shop now

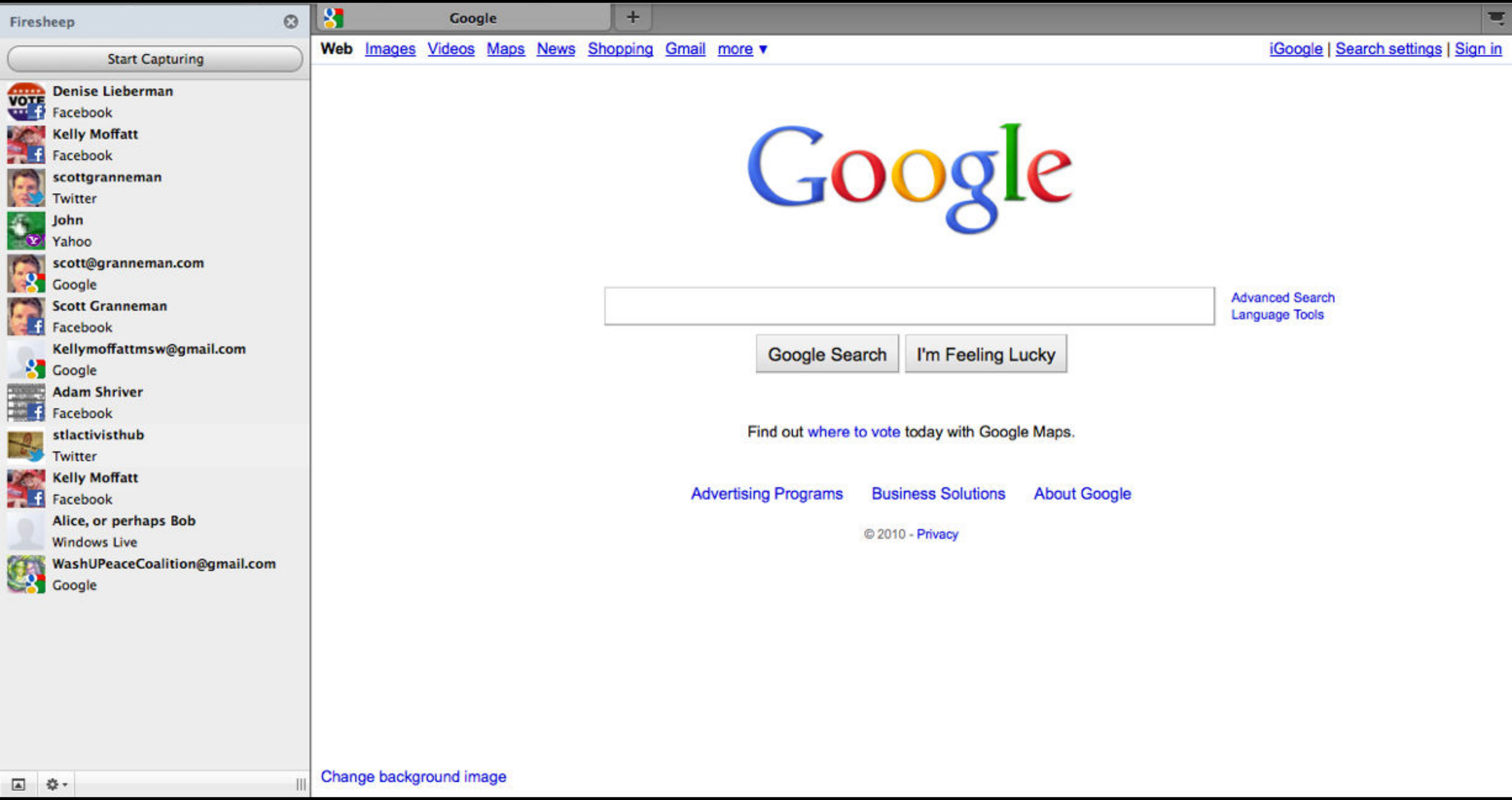
amazon
Amazon Windowshop for iPad
Explore and shop like never before
Learn more

Get a Free Gund Bear

For a limited time, when you


Websites
Capture
Websites
Advanced
Amazon.com
Basecamp
bit.ly
Cisco
CNET
Dropbox
Enom
Evernote
Facebook
Flickr
Foursquare
GitHub
Google
Gowalla
Hacker News
Harvest
Add
Edit
Remove
Import
Export

Websites
Capture
Websites
Advanced
Foursquare
GitHub
Google
Gowalla
Hacker News
Harvest
Windows Live
New York Times
Pivotal Tracker
ToorCon: San Diego
Slicehost SliceManager
tumblr.com
Twitter
Wordpress
Yahoo
Yelp
Add
Edit
Remove
Import
Export


Firesheep
Start Capturing
Denise Lieberman
Facebook
Kelly Moffatt
Facebook
scottgranneman
Twitter
John
Yahoo
scott@granneman.com
Google
Scott Granneman
Facebook
Kellymoffattmsw@gmail.com
Google
Adam Shriver
Facebook
stlactivisthub
Twitter
Kelly Moffatt
Facebook
Alice, or perhaps Bob
Windows Live
WashUPeaceCoalition@gmail.com
Google
Google
Web Images Videos Maps News Shopping Gmail more ▾
iGoogle | Search settings | Sign in
Google
Advanced Search
Language Tools
Google Search
I'm Feeling Lucky
Find out where to vote today with Google Maps.
Advertising Programs
Business Solutions
About Google
© 2010 - Privacy
Change background image

Firesheep

Start Capturing

Denise Lieberman
Facebook
Kelly Moffatt
Facebook
scottgranneman
Twitter
John
Yahoo
scott@granneman.com
Google
Scott Granneman
Facebook
Kellymoffattmsw@gmail.com
Google
Adam Shriver
Facebook
stlactivisthub
Twitter
Kelly Moffatt
Facebook
Alice, or perhaps Bob
Windows Live
WashUPeaceCoalition@gmail.com
Google

Google | Hotmail – carlaallen11@hotmai... | Facebook (5)

facebook

Search

Home | Profile | Account

Adam Shriver
Edit My Profile

- News Feed
- Messages 5,489
- Events 111
- Friends 586

- Responsible Publ... 22
- STACS (Student A...
- Liberals/Progres... 4
- PROGRESSIVES 3
- Create Group...

See All

- Game Requests 49
- Application Requests 48

More 12

You are currently offline. To chat with your friends, go online.

Today is Election Day What's this? • close

Find your polling place on the U.S. Politics Page and click the "I Voted" button to tell your friends you voted.

Thanks for voting!

0 7 3 4 7 2 1 1
People on Facebook Voted

Amy Graham, Laura Weis, and 712 other friends have voted.

News Feed

Top News · Most Recent 300+

Share: Status | Question | Photo | Link | Video

Emily Smith Lecuyer and 16 other friends like a link.

WTF has Obama done so far?
whatthefuckhasobamadonesofar.com

9 hours ago · Share

Stephen Bolen A lot, actually.
9 hours ago · 9 7 · Comment · Like

Adam David Scott pardon the address language...still an informative/entertaining site for those okay with strong language.
9 hours ago · 3 1 · Comment · Like

Events See All

What are you planning?

111 event invitations

VOTE to help MedZou Clini...
Happening Now

Random Acts of Kindness
Happening Now

Boycott the Maya Cafe in...
Happening Now

See More

Birthdays: Andy Semler, Brian Hammond, Charles Purnell, Courtney Stirrat, Jenny Vukson, Jeremy Grossberg, Nikki Spencer Show all (9)

Sponsored Create an Ad

Access Exclusive Benefits

Like American Express to be in-the-know about Cardmember events, offers, and more.

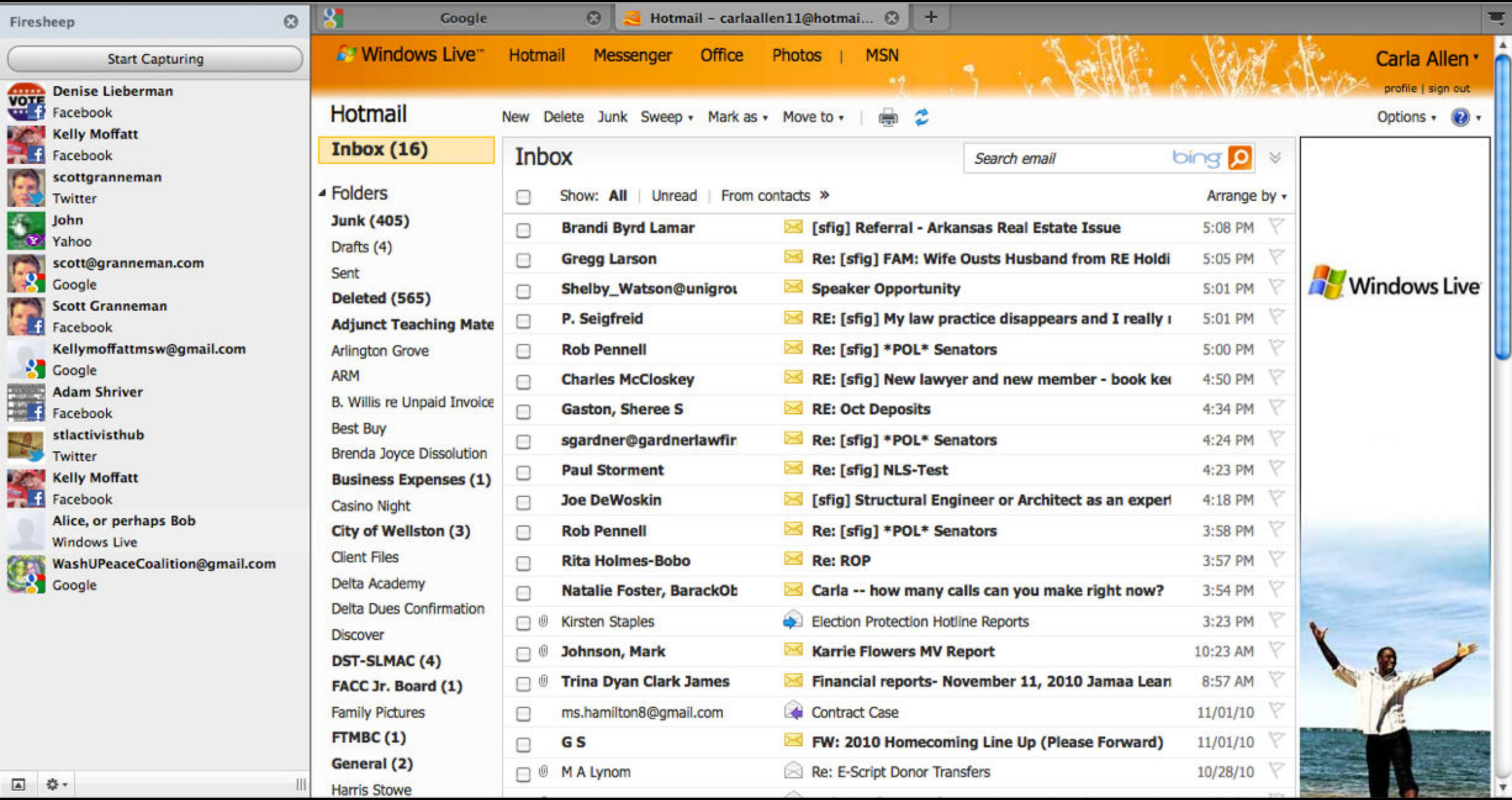
Scott Intagliata, Amie E. Needham, and Stacy Domagalski like American Express.

Like

Questions See All

What h

Chat (Offline)


Firesheep
Start Capturing
Denise Lieberman
Facebook
Kelly Moffatt
Facebook
scottgranneman
Twitter
John
Yahoo
scott@granneman.com
Google
Scott Granneman
Facebook
Kellymoffattmsw@gmail.com
Google
Adam Shriver
Facebook
stlactivisthub
Twitter
Kelly Moffatt
Facebook
Alice, or perhaps Bob
Windows Live
WashUPeaceCoalition@gmail.com
Google
Google
Hotmail – carlaallen11@hotmai...
Windows Live
Hotmail
Messenger
Office
Photos
MSN
Carla Allen
profile | sign out
Hotmail
New
Delete
Junk
Sweep
Mark as
Move to
Options
Inbox (16)
Folders
Junk (405)
Drafts (4)
Sent
Deleted (565)
Adjunct Teaching Mate
Arlington Grove
ARM
B. Willis re Unpaid Invoice
Best Buy
Brenda Joyce Dissolution
Business Expenses (1)
Casino Night
City of Wellston (3)
Client Files
Delta Academy
Delta Dues Confirmation
Discover
DST-SLMAC (4)
FACC Jr. Board (1)
Family Pictures
FTMBC (1)
General (2)
Harris Stowe
Inbox
Search email
bing
Show: All | Unread | From contacts »
Arrange by
Brandi Byrd Lamar [sfig] Referral - Arkansas Real Estate Issue 5:08 PM
Gregg Larson Re: [sfig] FAM: Wife Ousts Husband from RE Holdi 5:05 PM
Shelby_Watson@unigrou Speaker Opportunity 5:01 PM
P. Seigfreid RE: [sfig] My law practice disappears and I really 5:01 PM
Rob Pennell Re: [sfig] *POL* Senators 5:00 PM
Charles McCloskey RE: [sfig] New lawyer and new member - book ke 4:50 PM
Gaston, Sheree S RE: Oct Deposits 4:34 PM
sgardner@gardnerlawfir Re: [sfig] *POL* Senators 4:24 PM
Paul Storment Re: [sfig] NLS-Test 4:23 PM
Joe DeWoskin [sfig] Structural Engineer or Architect as an exper 4:18 PM
Rob Pennell Re: [sfig] *POL* Senators 3:58 PM
Rita Holmes-Bobo Re: ROP 3:57 PM
Natalie Foster, BarackOb Carla -- how many calls can you make right now? 3:54 PM
Kirsten Staples Election Protection Hotline Reports 3:23 PM
Johnson, Mark Karrie Flowers MV Report 10:23 AM
Trina Dyan Clark James Financial reports- November 11, 2010 Jamaa Lean 8:57 AM
ms.hamilton8@gmail.com Contract Case 11/01/10
G S FW: 2010 Homecoming Line Up (Please Forward) 11/01/10
M A Lynom Re: E-Script Donor Transfers 10/28/10
Windows Live

Firesheep

Start Capturing

- Denise Lieberman — Facebook
- Kelly Moffatt — Facebook
- scottgranneman — Twitter
- John — Yahoo
- scott@granneman.com — Google
- Scott Granneman — Facebook
- Kellymoffattmsw@gmail.com — Google
- Adam Shriver — Facebook
- stlactivisthub — Twitter
- Kelly Moffatt — Facebook
- Alice, or perhaps Bob — Windows Live
- WashUPeaceCoalition@gmail.com — Google

Google | Twitter / Home

Pssst... the new version of Twitter is here. Try it now!

twitter

Home Profile Find People Settings Help Sign out

What's happening? 140

Tweet

New! Add a location to your tweets. Turn it on - No thanks
Latest: 1 less blue dog & 1 less blanche in our government: http://www.dailykos.com/storyonly/2010/11/2/916298/-Election-Night-Thread-#9 #upside about 3 hours ago

Home

aschrager 6% points in U.S. Senate race going to 3rd party candidates. Double what usually happens. 2% going to Green, 1% going to Libertarian #covote
3 minutes ago via web
Retweeted by kaymoh114 and 3 others

thereidreport RT @BeachPeanuts Sestak loses. Ugh. / Sestak made it very close. Now PA should get the outsourcing they voted for.
2 minutes ago via Twitterrific
Retweeted by Lehigh389

loriguffey i never thought i'd say this but THANK YOU GEORGE W BUSH for using the executive order with such wild abandon. @BarackObama, take note. #p2
half a minute ago via web

TheKochtopus So we lost #Prop23, big deal. We'll just lobby & buy our way around pollution restrictions like we

stlactivisthub
6,387 tweets

1,090 following | 1,356 followers | 197 listed

Who to follow

coreywoodruff
coreywoodruff
Follow

pitchforkmedia
Pitchfork
Follow

view all

Home
@stlactivisthub
Direct Messages 295
Favorites
Retweets

Search

Lists
people

New list | View all

We the People

We The People

of the United States, in order to form a more perfect Union, establish Justice, insure domestic Tranquility, provide for the common Defence, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, do ordain and establish this Constitution for the United States of America.

Article. I

Section. 1. All legislative Powers herein granted shall be vested in a Congress of the United States, which shall consist of a Senate and a House of Representatives.

Section. 2. The House of Representatives shall be composed of Members chosen every second Year by the People of the several States, and the Electors in each State shall have the Qualifications requisite for Electors of the most numerous Branch of the State Legislature.

No Person shall be a Representative who shall not have attained to the Age of twenty five Years, and been seven Years a Citizen of the United States, and who shall not, when elected, be an Inhabitant of that State in which he shall be chosen.

Representatives and direct Taxes shall be apportioned among the several States which may be included within this Union, according to their respective Numbers, which shall be determined by adding to the whole Number of free Persons, including those bound to Service for a Term of Years, and excluding Indians not taxed, three fifths of all other Persons. The actual Enumeration shall be made within three Years after the first Meeting of the Congress of the United States, and within every subsequent Term of ten Years, in such Manner as they shall by Law direct. The Number of Representatives shall not exceed one for every thirty Thousand, but each State shall have at least one Representative; and until such enumeration shall be made, the State of New Hampshire shall be entitled to chuse three, Massachusetts eight, Rhode-Island and Providence Plantations one, Connecticut five, New-York six, New Jersey four, Pennsylvania eight, Delaware one, Maryland six, Virginia ten, North Carolina five, South Carolina five, and Georgia three.

When vacancies happen in the Representation from any State, the Executive Authority thereof shall issue Writs of Election to fill such Vacancies.

The House of Representatives shall chuse their Speaker and other Officers; and shall have the sole Power of Impeachment.

Section. 3. The Senate of the United States shall be composed of two Senators from each State, chosen by the Legislature thereof, for six Years; and each Senator shall have one Vote.

Immediately after they shall be assembled in Consequence of the first Election, they shall be divided as equally as may be into three Classes. The Seats of the Senators of the first Class shall be vacated at the Expiration of the second Year, of the second Class at the Expiration of the fourth Year, and of the third Class at the Expiration of the sixth Year, so that one third may be chosen every second Year; and if Vacancies happen by Resignation, or otherwise, during the Recess of the Legislature of any State, the Executive thereof may make temporary Appointments until the next Meeting of the Legislature, which shall then fill such Vacancies.

No Person shall be a Senator who shall not have attained to the Age of thirty Years, and been nine Years a Citizen of the United States, and who shall not, when elected, be an Inhabitant of that State for which he shall be chosen.

The Vice President of the United States shall be President of the Senate, but shall have no Vote, unless they be equally divided.

The Senate shall chuse their other Officers, and also a President pro tempore, in the Absence of the Vice President, or when he shall exercise the Office of President of the United States.

The Senate shall have the sole Power to try all Impeachments. When sitting for that Purpose, they shall be on Oath or Affirmation. When the President of the United States is tried, the Chief Justice shall preside: And no Person shall be convicted without the Concurrence of two thirds of the Members present.

Judgment in Cases of Impeachment shall not extend further than to removal from Office, and disqualification to hold and enjoy any Office of honor, Trust or Profit under the United States: but the Party convicted shall nevertheless be liable and subject to Indictment, Trial, Judgment and Punishment, according to Law.

Section. 4. The Times, Places and Manner of holding Elections for Senators and Representatives, shall be prescribed in each State by the Legislature thereof; but the Congress may at any time by Law make or alter such Regulations, except as to the Places of chusing Senators.

The Congress shall assemble at least once in every Year, and such Meeting shall be on the first Monday in December, unless they shall by Law appoint a different Day.

Section. 5. Each House shall be the Judge of the Elections, Returns and Qualifications of its own Members, and a Majority of each shall constitute a Quorum to do Business; but a smaller Number may adjourn from day to day, and may be authorized to compel the Attendance of absent Members, in such Manner, and under such Penalties as each House may provide.

Each House may determine the Rules of its Proceedings, punish its Members for disorderly Behaviour, and, with the Concurrence of two thirds, expel a Member.

Each House shall keep a Journal of its Proceedings, and from time to time publish the same, excepting such Parts as may in their Judgment require Secrecy; and the Yeas and Nays of the Members of either House on any question shall, at the Desire of one fifth of those Present, be entered on the Journal.

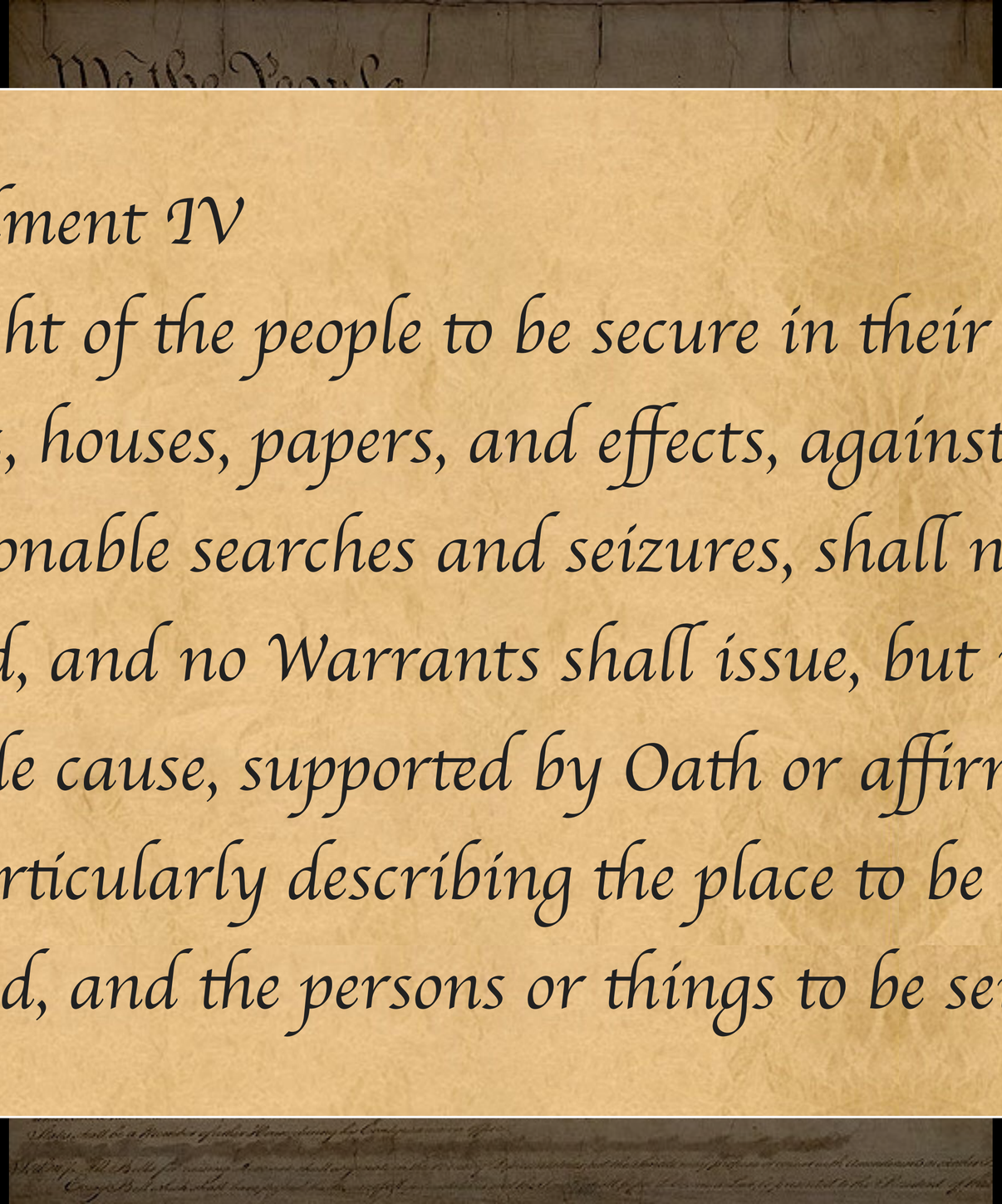
Neither House, during the Session of Congress, shall, without the Consent of the other, adjourn for more than three days, nor to any other Place than that in which the two Houses shall be sitting.

Section. 6. The Senators and Representatives shall receive a Compensation for their Services, to be ascertained by Law, and paid out of the Treasury of the United States. They shall in all Cases, except Treason, Felony and Breach of the Peace, be privileged from Arrest during their Attendance at the Session of their respective Houses, and in going to and returning from the same; and for any Speech or Debate in either House, they shall not be questioned in any other Place.

No Senator or Representative shall, during the Time for which he was elected, be appointed to any civil Office under the Authority of the United States, which shall have been created, or the Emoluments whereof shall have been encreased during such time; and no Person holding any Office under the United States, shall be a Member of either House during his Continuance in Office.

Section. 7. All Bills for raising Revenue shall originate in the House of Representatives; but the Senate may propose or concur with Amendments as on other Bills.

Every Bill which shall have passed the House of Representatives and the Senate, shall, before it become a Law, be presented to the President of the



Amendment IV

The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no Warrants shall issue, but upon probable cause, supported by Oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.

Exceptions to warrant requirement

- Consent
- Plain view
- Incident to a lawful arrest
- Exigent circumstances
- Places that merit low levels of protection (e.g., open fields, cars, borders)

American Colonies

“A man’s home is his castle.”

James Otis

Then

Now

Law
is like

concrete

Roy Olmstead & his wife, Elsie
1925

3757

Olmstead v US (1928)

US v Katz (1967)

Kyllo v US (2001)

Kyllo v US (2001)

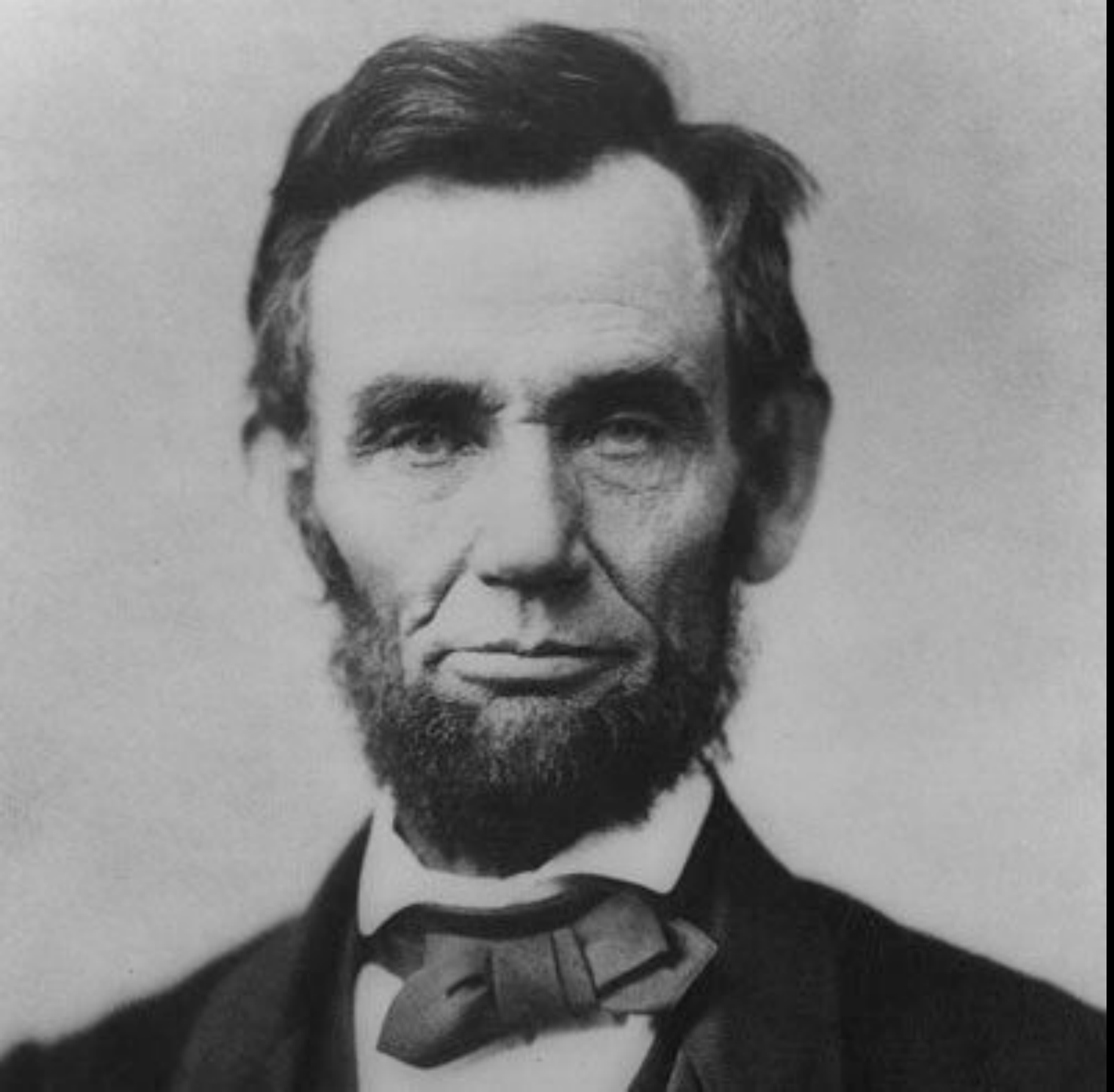
OK

Civil Liberties & Crisis

History

Inter arma enim silent legs (In times of war, the law falls silent)

Cicero



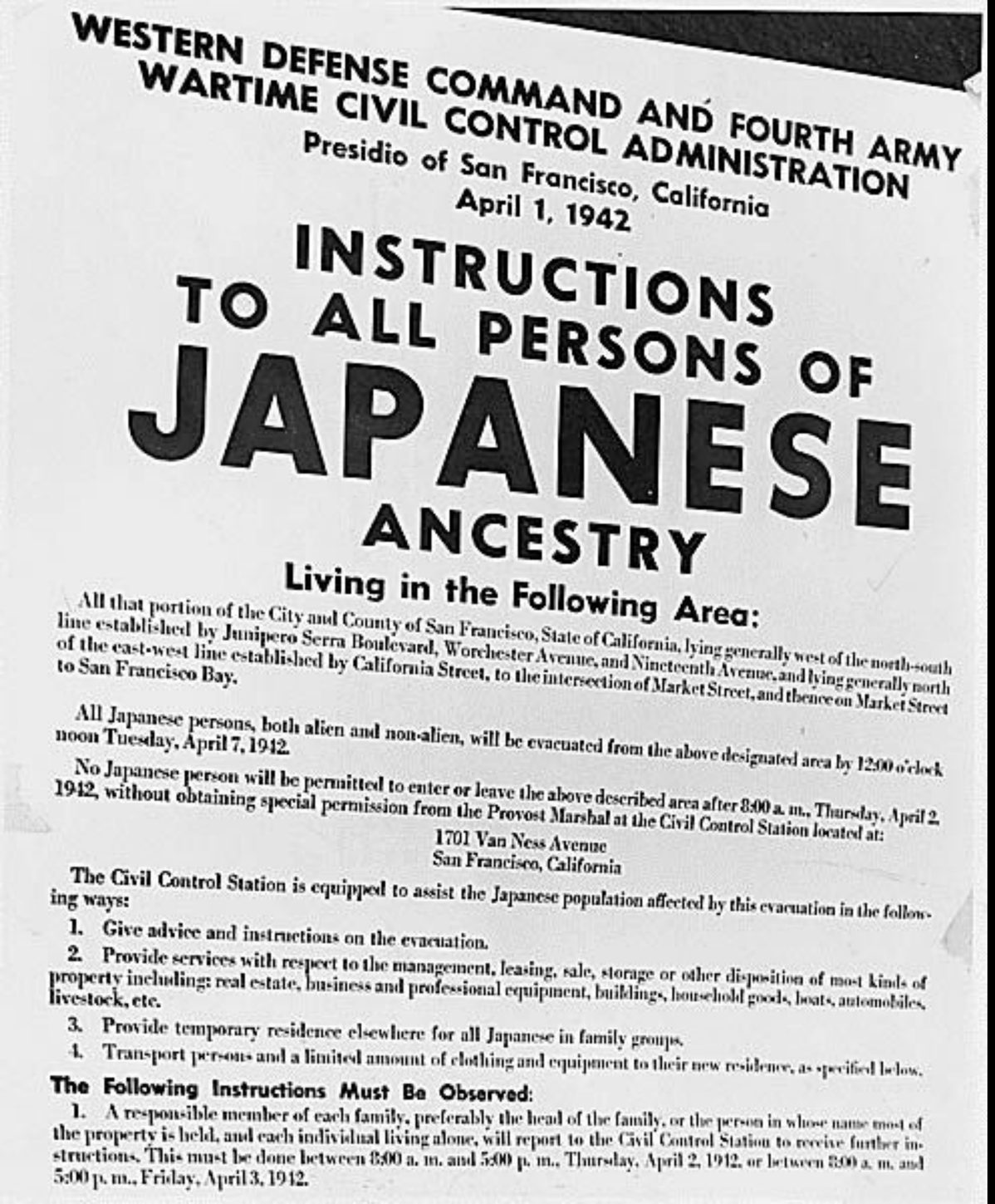
1861

President Lincoln
suspends Habeas Corpus

World War I

Espionage Act

Restrictions on German & Russian immigrants



WESTERN DEFENSE COMMAND AND FOURTH ARMY
WARTIME CIVIL CONTROL ADMINISTRATION
Presidio of San Francisco, California
April 1, 1942

INSTRUCTIONS TO ALL PERSONS OF JAPANESE ANCESTRY

Living in the Following Area:

All that portion of the City and County of San Francisco, State of California, lying generally west of the north-south line established by Junipero Serra Boulevard, Worchester Avenue, and Nineteenth Avenue, and lying generally north of the east-west line established by California Street, to the intersection of Market Street, and thence on Market Street to San Francisco Bay.

All Japanese persons, both alien and non-alien, will be evacuated from the above designated area by 12:00 o'clock noon Tuesday, April 7, 1942.

No Japanese person will be permitted to enter or leave the above described area after 8:00 a. m., Thursday, April 2, 1942, without obtaining special permission from the Provost Marshal at the Civil Control Station located at:

1701 Van Ness Avenue
San Francisco, California

The Civil Control Station is equipped to assist the Japanese population affected by this evacuation in the following ways:

1. Give advice and instructions on the evacuation.
2. Provide services with respect to the management, leasing, sale, storage or other disposition of most kinds of property including: real estate, business and professional equipment, buildings, household goods, boats, automobiles, livestock, etc.
3. Provide temporary residence elsewhere for all Japanese in family groups.
4. Transport persons and a limited amount of clothing and equipment to their new residence, as specified below.

The Following Instructions Must Be Observed:

1. A responsible member of each family, preferably the head of the family, or the person in whose name most of the property is held, and each individual living alone, will report to the Civil Control Station to receive further instructions. This must be done between 8:00 a. m. and 5:00 p. m., Thursday, April 2, 1942, or between 8:00 a. m. and 5:00 p. m., Friday, April 3, 1942.

WWII

Internment of Japanese Americans

Military Tribunals

Cold War

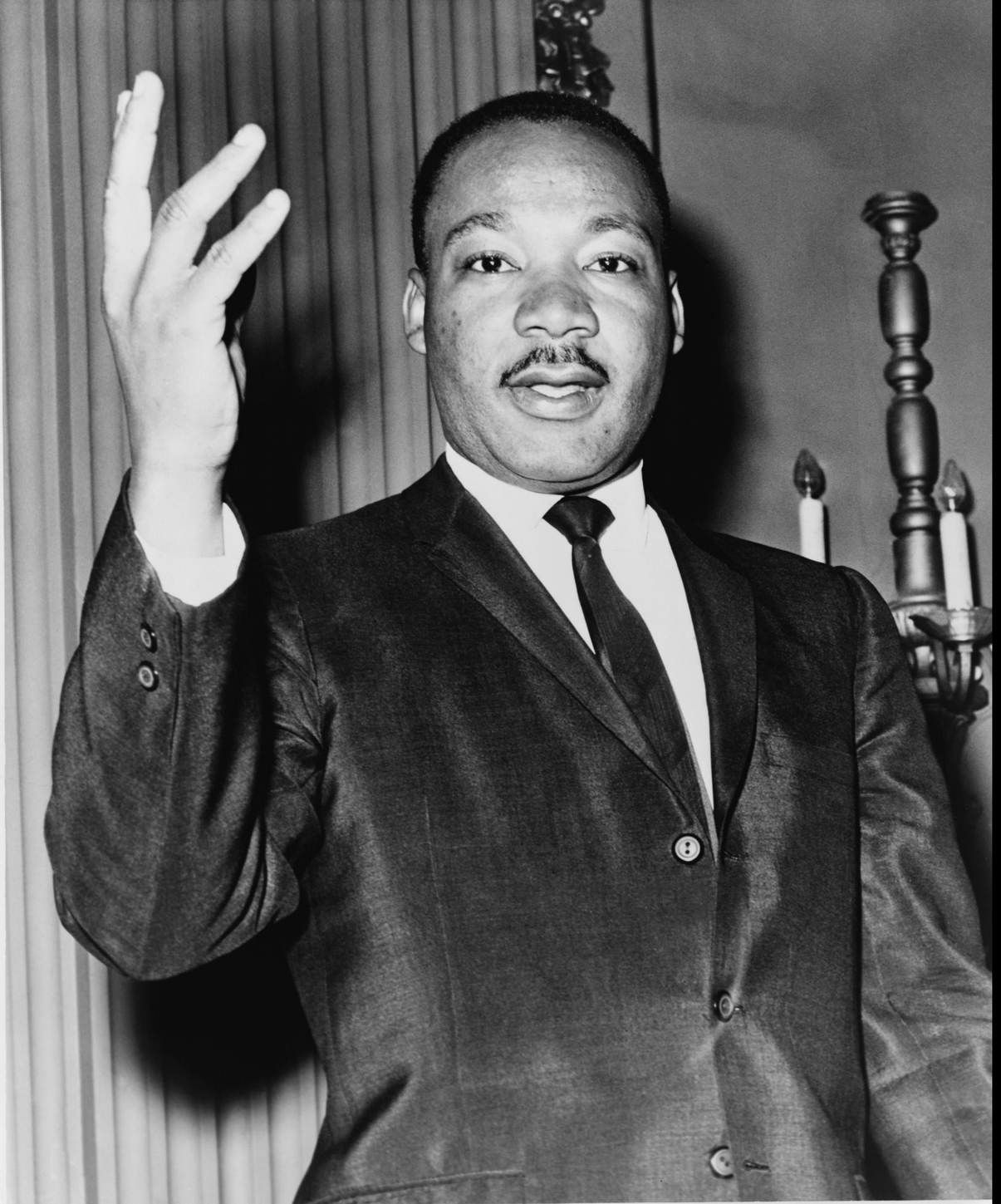
Surveillance &
investigation
of political groups

House Un-American
Activities Committee

Vietnam War Protest Movement

Targeting of protesters

Expansion of FBI powers



Civil Rights Movement

Monitoring & recording of MLK

FBI anonymously sends MLK sound tape of extramarital affair & letter encouraging him to commit suicide

“King, there is only one thing left for you to do. You know what it is.”

9/11

How is 9/11 Different?

Technology…

» changes how threats operate
» changes how governments respond

Nature of threats different

» Non-state-sponsored
» Less hierarchical
» Dispersed
» Anonymous

Our response is different: near-constant surveillance

US Government's Response

PATRIOT Act § 215

FISA Title VII § 702

National Security Letters

2001
PATRIOT Act

An Act

To deter and punish terrorist acts in the United States and around the world, to enhance law enforcement investigatory tools, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE AND TABLE OF CONTENTS.

(a) SHORT TITLE.—This Act may be cited as the "Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism (USA PATRIOT ACT) Act of 2001".

SEC. 215. ACCESS TO RECORDS AND OTHER ITEMS UNDER THE FOREIGN INTELLIGENCE SURVEILLANCE ACT.

Title V of the Foreign Intelligence Surveillance Act of 1978 (50 U.S.C. 1861 et seq.) is amended by striking sections 501 through 503 and inserting the following:

"SEC. 501. ACCESS TO CERTAIN BUSINESS RECORDS FOR FOREIGN INTELLIGENCE AND INTERNATIONAL TERRORISM INVESTIGATIONS.

Allows government to get “any tangible things … relevant to a … national security investigation … to protect against international terrorism or clandestine intelligence activities”

Before

Only:

» Hotel & motel records
» Car & truck rentals
» Storage rentals

Expands types of records

Before

Only:

» Hotel & motel records
» Car & truck rentals
» Storage rentals

Now

“Any tangible things”

Expands types of records

Before

FBI had to show “specific articulable facts” that the subject was a “foreign power or the agent of a foreign power”

Easier to get FISA warrant

Before

FBI had to show “specific articulable facts” that the subject was a “foreign power or the agent of a foreign power”

Now

Things are sought for a foreign intelligence investigation

Easier to get FISA warrant

Expanded government access without probable cause of a crime

» Business documents
» 3rd party documents
» Electronic communications

FBI given greater latitude to go on “fishing expeditions”

1978
FISA

Amended in 2008

Public Law 95-511
95th Congress

An Act

To authorize electronic surveillance to obtain foreign intelligence information.

Oct. 25, 1978
[S. 1566]

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That this Act may be cited as the "Foreign Intelligence Surveillance Act of 1978".

Foreign Intelligence Surveillance Act of 1978.
50 USC 1801 note.

TABLE OF CONTENTS

TITLE I—ELECTRONIC SURVEILLANCE WITHIN THE UNITED STATES FOR FOREIGN INTELLIGENCE PURPOSES

An Act

To amend the Foreign Intelligence Surveillance Act of 1978 to establish a procedure for authorizing certain acquisitions of foreign intelligence, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

(a) SHORT TITLE.—This Act may be cited as the "Foreign Intelligence Surveillance Act of 1978 Amendments Act of 2008" or the "FISA Amendments Act of 2008".

"SEC. 702. PROCEDURES FOR TARGETING CERTAIN PERSONS OUTSIDE THE UNITED STATES OTHER THAN UNITED STATES PERSONS.

Allows government to collect electronic communications

Targets must be foreign

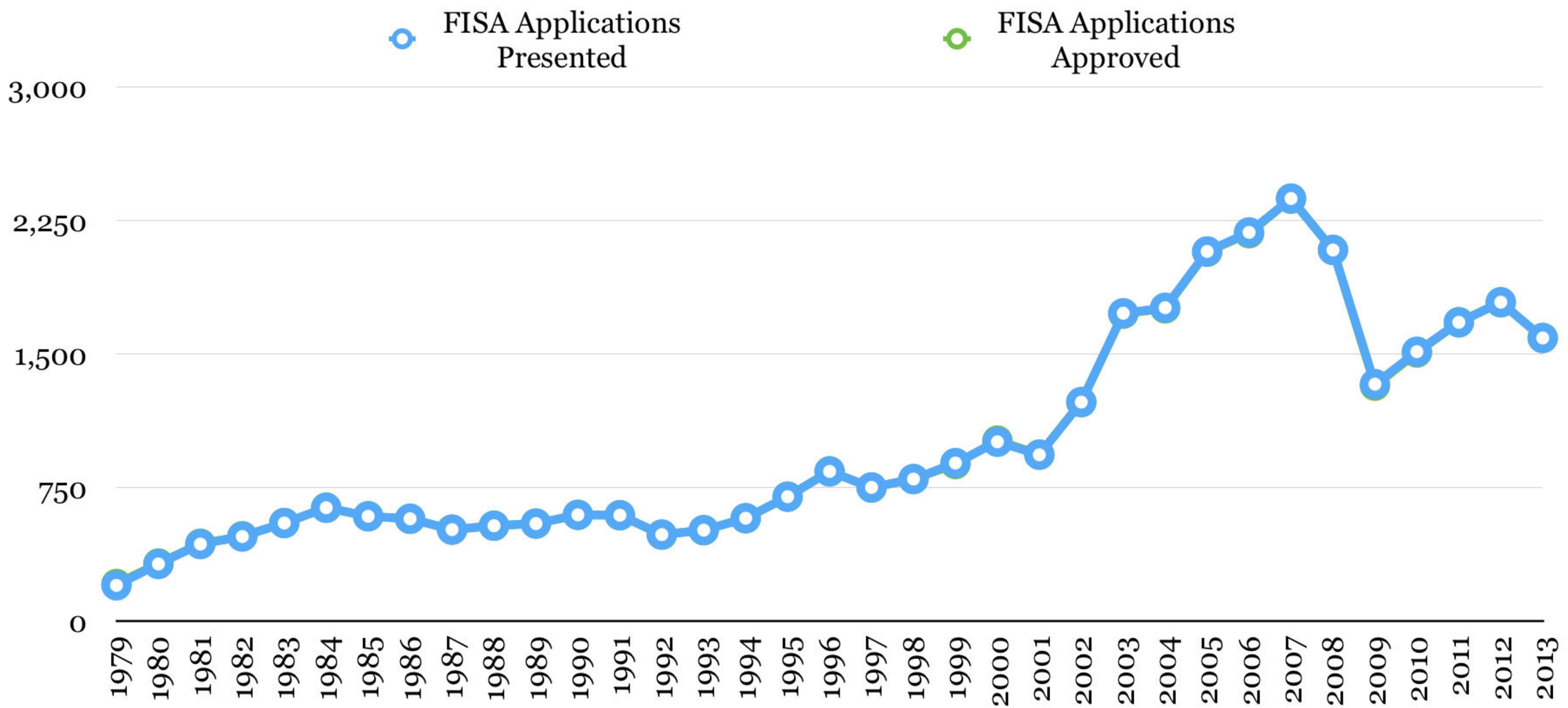
Must relate to national security threat

FISA Court

Appointed by SCOTUS Chief Justice

Meets in secret

Oversees application of FISA


FISA Applications Presented
FISA Applications Approved
3,000
2,250
1,500
750
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1979
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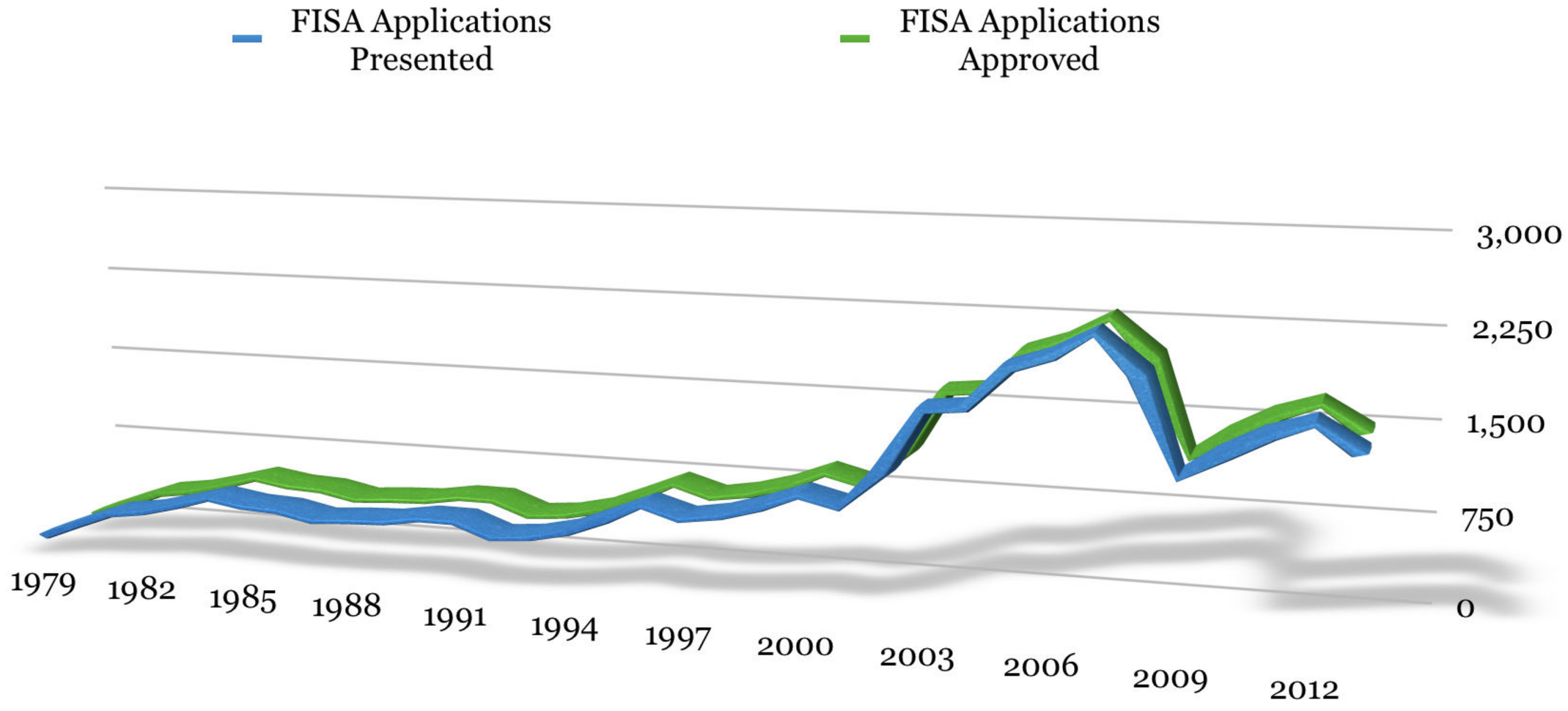

FISA Applications Presented
FISA Applications Approved
3,000
2,250
1,500
750
0
1979
1982
1985
1988
1991
1994
1997
2000
2003
2006
2009
2012

1978 National Security Letters

Amended in 1986, 1993, 2001, & 2006

Can request only non-content information, e.g.:

» Store purchases
» Bank deposits & withdrawals
» Phone numbers dialed
» Website visits & searches
» Sender & recipient email addresses

U.S. Department of Justice

Federal Bureau of Investigation

In Reply, Please Refer to
File No. NH-43906

New Haven Division
600 State Street
New Haven, Connecticut 06511

May 19, 2005

Mr. Kenneth Sutton
Systems and Telecommunication Manager
Library Connection, Inc.
599 Matianuck Avenue
Windsor, Connecticut

Dear Mr. Sutton:

Under the authority of Executive Order 12333, dated December 4, 1981, and pursuant to Title 18, United States Code (U.S.C.), Section 2709 (as amended, October 26, 2001), you are hereby directed to provide to the Federal Bureau of Investigation (FBI) any and all subscriber information, billing information and access logs of any person or entity related to the following:

IP Address: 216.47.180.118, Date: 02/15/2005; Time: 16:00 to 16:45 (PM) EST

In accordance with Title 18, U.S.C., Section 2709(b), I certify that the information sought is relevant to an authorized investigation to protect against international terrorism or clandestine intelligence activities, and that such an investigation of a United States person is not conducted solely on the basis of activities protected by the first amendment to the Constitution of the United States.

You are further advised that Title 18, U.S.C., Section 2709(c), prohibits any officer, employee or agent of yours from disclosing to any person that the FBI has sought or obtained access to information or records under these provisions.

You are requested to provide records responsive to this request personally to a representative of the New Haven field office of the FBI. Electronic versions of the records are requested, if available. Any questions you have regarding this request should be directed only to the New Haven field office. Due to security considerations, you should neither send the records through the mail nor disclose the substance of this request in any telephone conversation or electronic communication.

Non-expiring gag order

Independent of legal courts

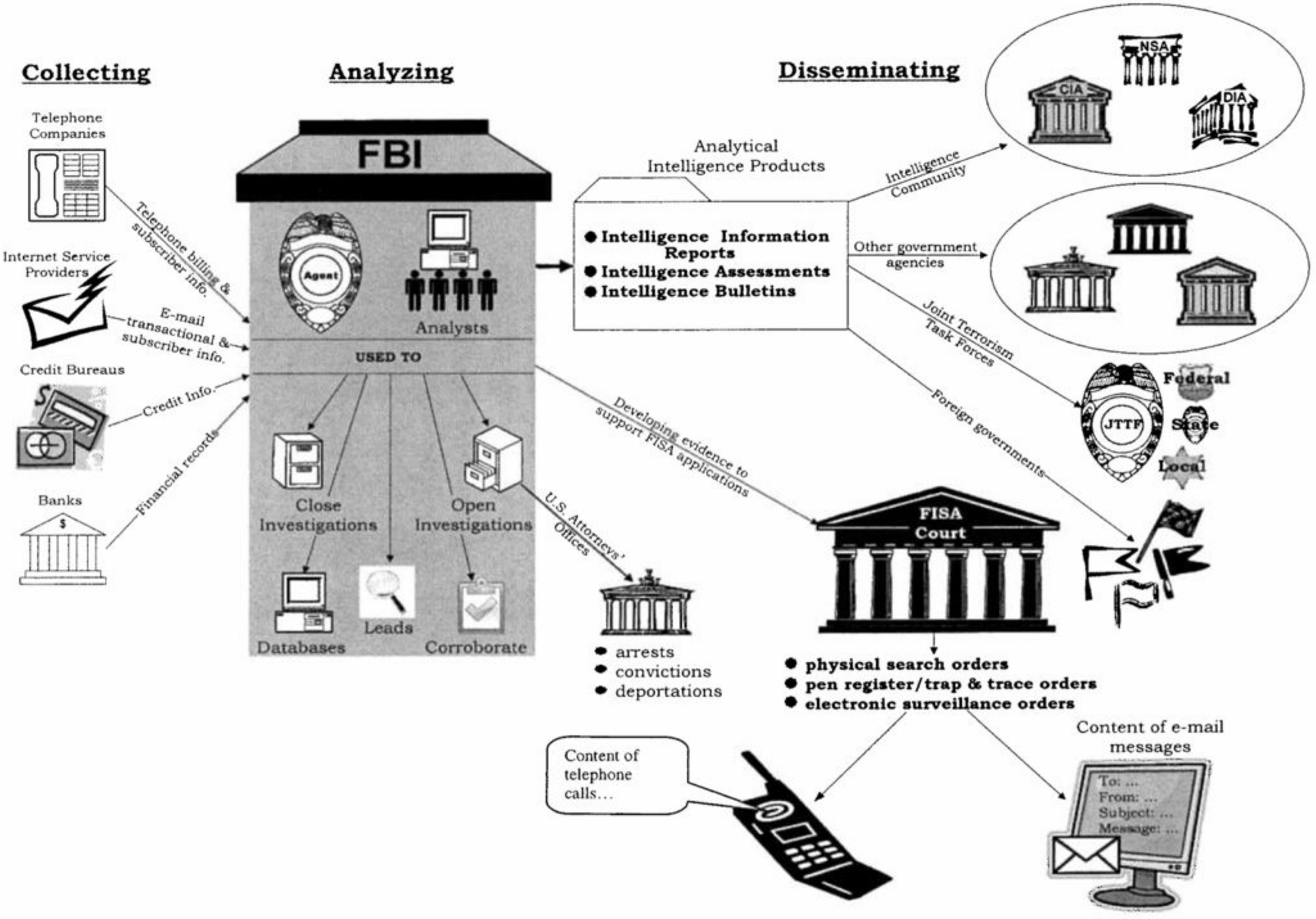
Not a subpoena

Used by

» FBI
» CIA
» Pentagon

From 2003–2006, the FBI issued 192,499 NSL requests

How the FBI Uses National Security Letters



There are some tradeoffs involved … It’s important to recognize that you can’t have 100% security, and also then have 100% privacy, and zero inconvenience. We’re going to have to make some choices as a society.

It is neither desirable nor is it remotely likely that civil liberty will occupy as favored a position in wartime as it does in peacetime. The laws will thus not be silent in time of war, but they will speak with a somewhat different voice.

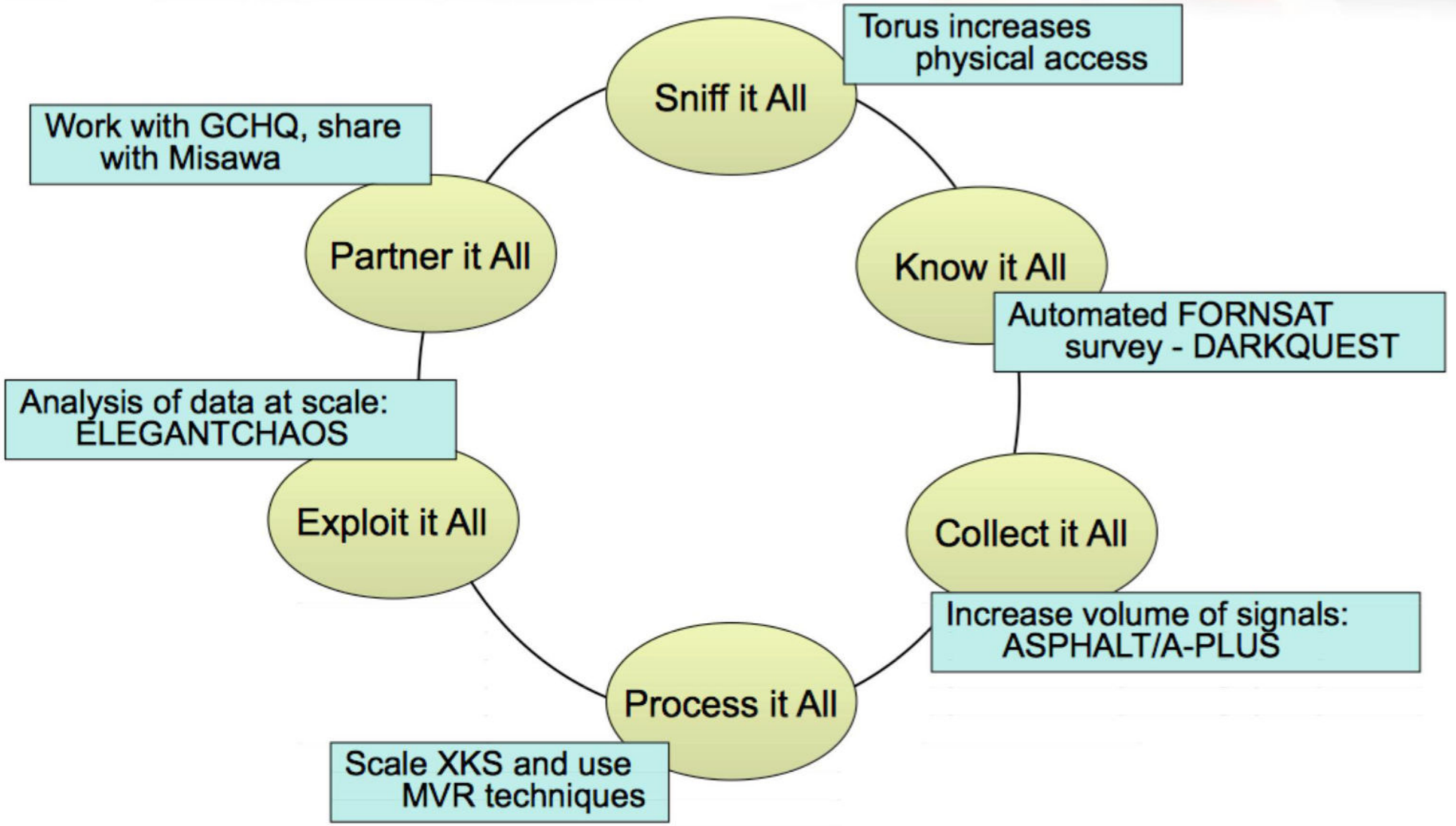
William Rehnquist,
Former Supreme Court Chief Justice

Future Plans (U)

(TS//SI//REL) In the future, MSOC hopes to expand the number of WORDGOPHER platforms to enable demodulation of thousands of additional low-rate carriers.

These targets are ideally suited for software demodulation. Additionally, MSOC has developed a capability to automatically scan and demodulate signals as they activate on the satellites. There are a multitude of possibilities, bringing our enterprise one step closer to "collecting it all."

New Collection Posture



PRISM

theguardian The Washington Post

U.S., British intelligence mining data from nine U.S. Internet companies in broad secret program

NSA Prism program taps in to user data of Apple, Google and others

June 6, 2013

PRISM enables “collection directly from the servers” of online companies

(TS//SI//NF) PRISM Collection Details

Current Providers

- Microsoft (Hotmail, etc.)
- Google
- Yahoo!
- Facebook
- PalTalk
- YouTube
- Skype
- AOL
- Apple

What Will You Receive in Collection (Surveillance and Stored Comms)? It varies by provider. In general:

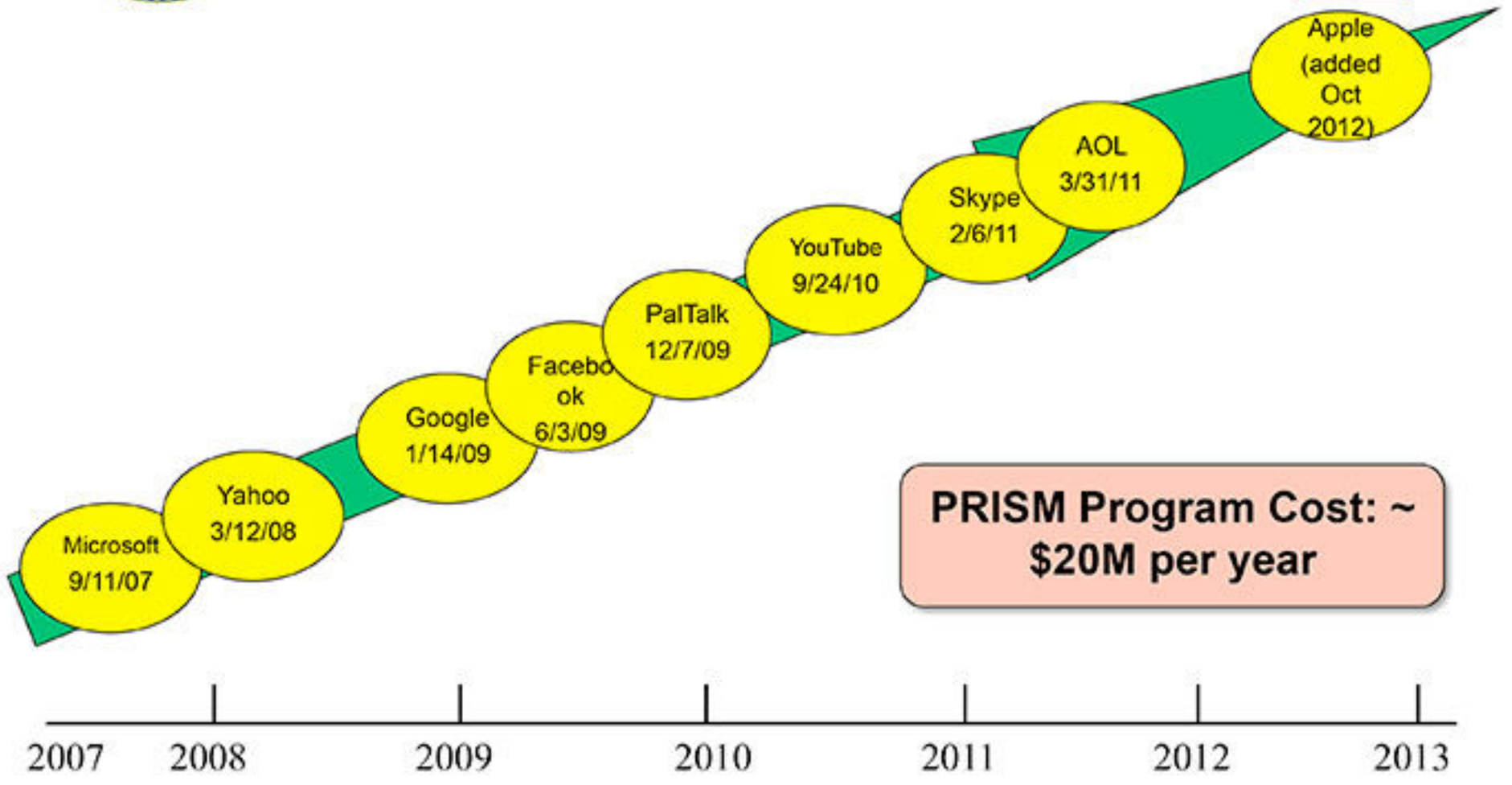
- E-mail
- Chat – video, voice
- Videos
- Photos
- Stored data
- VoIP
- File transfers
- Video Conferencing
- Notifications of target activity – logins, etc.
- Online Social Networking details
- **Special Requests**

Complete list and details on PRISM web page:
Go PRISMFAA

“extensive, in-depth surveillance on live communications and stored information”

Can acquire communications that were encrypted while traveling over the Internet once they’re on servers

(TS//SI//NF) Dates When PRISM Collection Began For Each Provider



PRISM Program Cost: ~ $20M per year

“98 percent of PRISM production is based on Yahoo, Google and Microsoft”

Accounts for 91% of NSA’s Internet traffic acquired under FISA § 702

Available to low-level NSA analysts

Don’t need supervisor approval

POLICE DEPARTMENT

CITY OF PHOENIX, ARIZONA DR 3993

SEARCH WARRANT

COUNTY OF MARICOPA, STATE OF AR

NO. 06-004692

TO ANY PEACE OFFICER IN THE STATE OF ARIZON

Proof by affidavit having been made this day to me by Off

I am satisfied that there is probable cause to believe

[x] on person(s) of Suspect #1 Webster, Al 0, black hair, brown eyes, 6'0", 185 lbs., Suspect #2 Webster, Nita M W air, brown eyes, 5'05", 120 lbs. and Suspect #3 Campbell, Joseph L. P r, brown eyes, 6'02", 300 lbs.

[x] on the premises described he Flamingo Inn, #219. This being a multi unit motel complex construct ith red trim. Apartment #219 is located in the south east corner of the bui est and is red in color with the number "219" on the door.

in the City of , State of Arizona, there is now being possessed or concealed certain property, n

Drug Pa

A usable am caine, a narcotic drug;

Firearms;

Indicia of occupancy, residency, and/or ownership of the premises described above, including, but not limited to utility, telephone bills, and canceled mail;

NO WARRANT

Must ignore US citizen’s data if analyst is at least 51% sure he’s American

Training materials say analysts should periodically report accidental collection of citizen data, but if they do collect it, “it’s nothing to worry about”

July 17, 2013

John C. Inglis, Deputy Director, NSA

NSA analysts can perform “a second or third hop query” through data

Hop 1: a suspect’s contacts

↓

Hop 2: hop 1’s contacts

↓

Hop 3: hop 2’s contacts

6 degrees of separation? Nope!

University of Milan researchers calculate that on average everyone on the Internet is *4.74 steps away from anyone else*

Assuming the average person calls 40 people, a 3-hop analysis allows the NSA to mine data on *2.5 million* Americans when investigating 1 suspect

Given 120 suspects, NSA could theoretically monitor *all 300 million Americans*—legally

(TS//SI//NF) FAA702 Operations

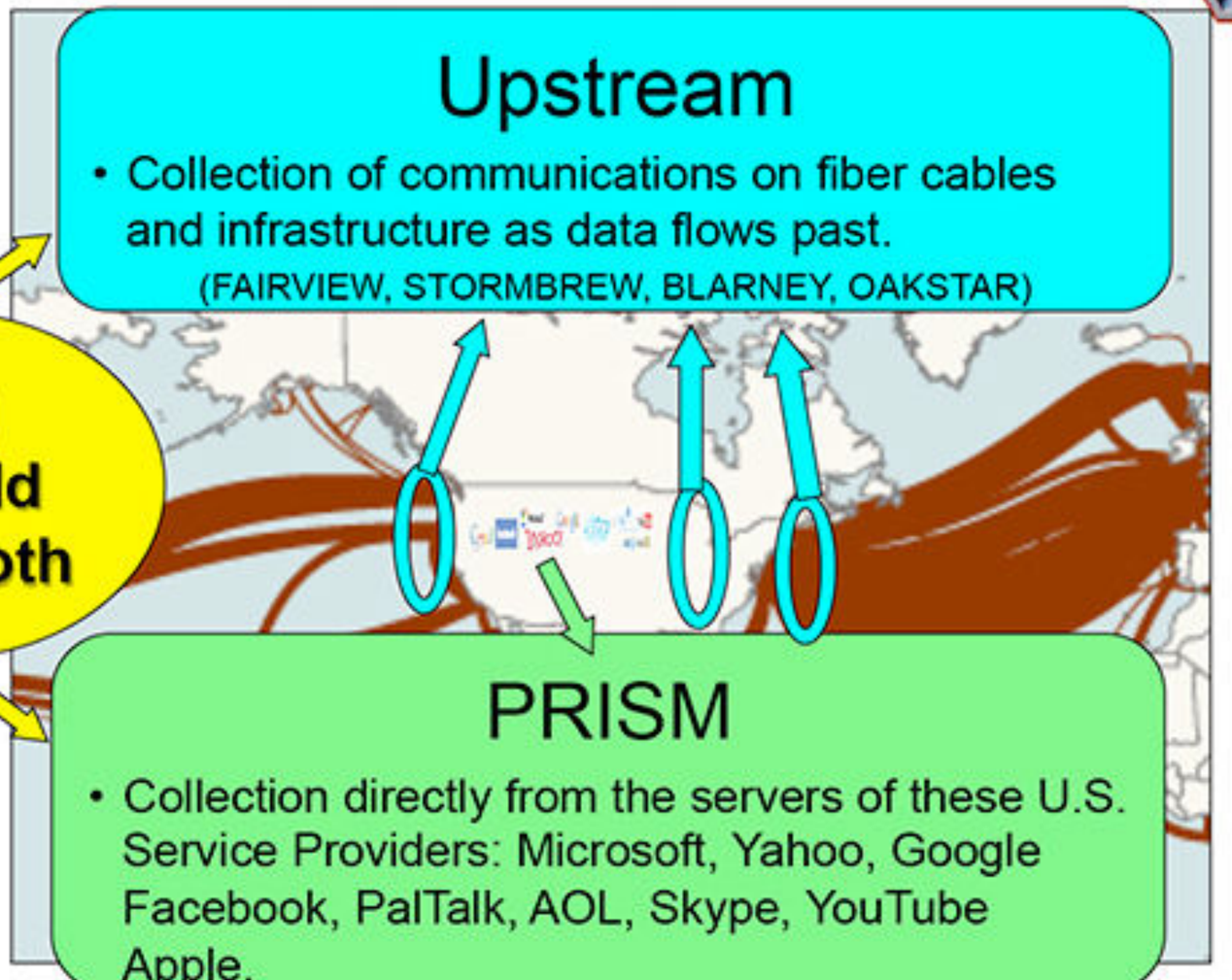
Two Types of Collection

Upstream

- Collection of communications on fiber cables and infrastructure as data flows past.

(FAIRVIEW, STORMBREW, BLARNEY, OAKSTAR)

You Should Use Both



PRISM

- Collection directly from the servers of these U.S. Service Providers: Microsoft, Yahoo, Google Facebook, PalTalk, AOL, Skype, YouTube Apple.

theguardian

The NSA is sharing data with Israel. Before filtering out Americans' information.

September 11, 2013

“SIGINT [*signals intelligence*] is intelligence derived from electronic signals and systems used by foreign targets, such as communications systems, radars, and weapons systems.”

NSA website: “Signals Intelligence”

NSA sends Israel *Raw SIGINT*

"Raw SIGINT is any SIGINT … before the information has been evaluated for foreign intelligence and minimized. Raw SIGINT includes, but is not limited to, unevaluated and unminimized transcripts, gists, facsimiles, telex, voice and Digital Network Intelligence (DNI) metadata and content."

NSA does not filter data in advance

“NSA routinely sends ISNU [the Israeli Sigint National Unit] minimized and unminimized raw collection”

When Israel finds data about a U.S. citizen “ISNU must inform NSA immediately”

Israel is allows to retain “any files containing the identities of U.S. persons … for no more than one year.”

However, Israelis are required to “destroy upon recognition” any communication “either to or from an official of the US government”

(TS//SI//REL) There are also a few surprises... France targets the US DoD through technical intelligence collection, and Israel also targets us. On the one hand, the Israelis are extraordinarily good SIGINT partners for us, but on the other, they target us to learn our positions on Middle East problems. A NIE [National Intelligence Estimate] ranked them as the third most aggressive intelligence service against the US.

Senior NSA official in 2008 Top Secret document recounting history of US-Israel cooperation

Balancing the SIGINT exchange equally between US and Israeli needs has been a constant challenge in the last decade, it arguably tilted heavily in favor of Israeli security concerns. 9/11 came, and went, with NSA's only true Third Party CT relationship being driven almost totally by the needs of the partner.

CT = Counter-Terrorism

Senior NSA official in 2008 Top Secret document recounting history of US-Israel cooperation

theguardian The New York Times

Spies Infiltrate a Fantasy Realm of Online Games

Xbox Live among game services targeted by US and UK spy agencies

December 9, 2013

WORLD OF WARCRAFT
CATACLYSM

"American and British spies have infiltrated the fantasy worlds of World of Warcraft and Second Life, conducting surveillance and scooping up data…

The spies have created make-believe characters to snoop and to try to recruit informers, while also collecting data and contents of communications between players…"

The New York Times

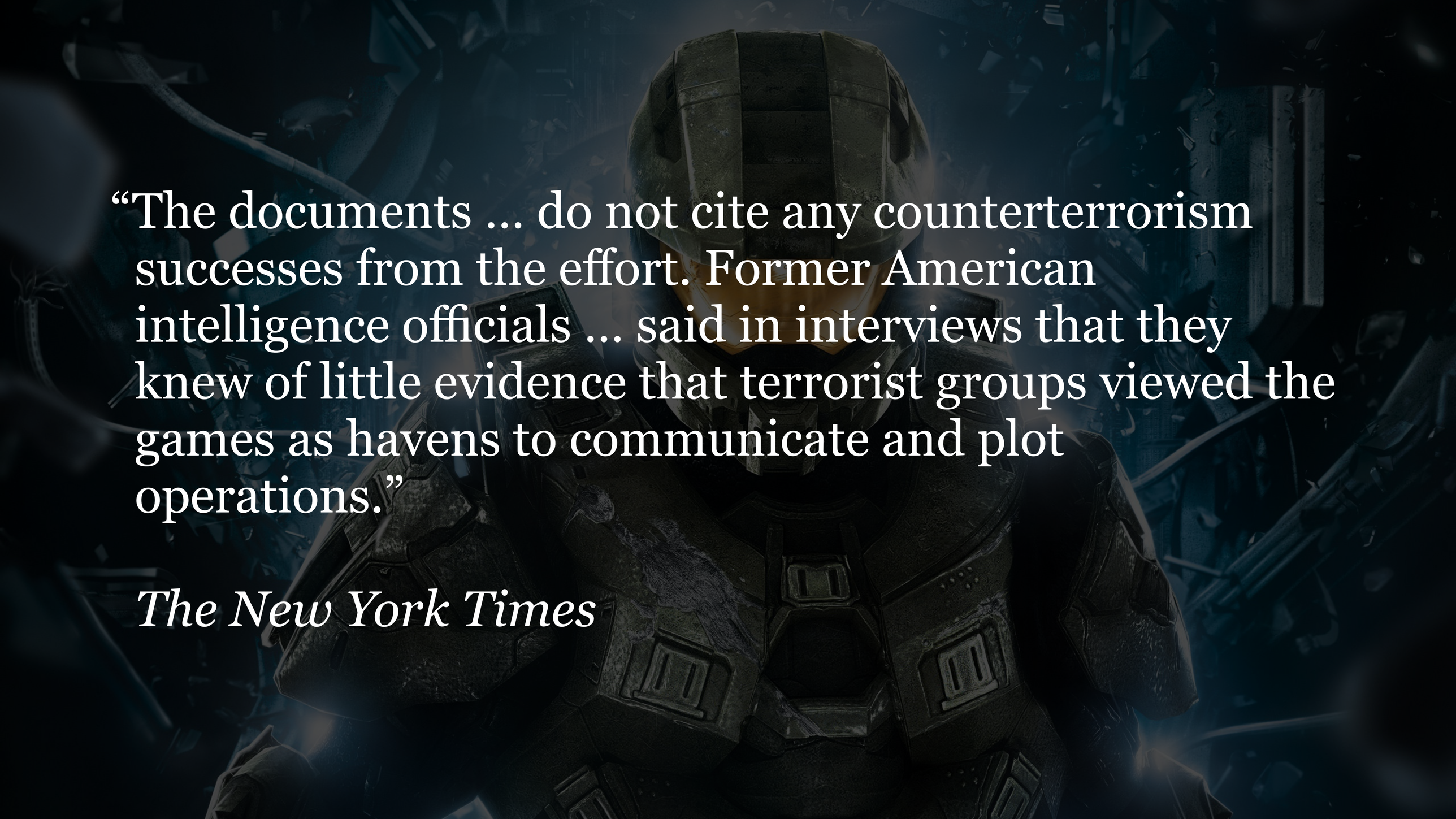
(TS//SI) GVEs are an opportunity! We can use games for: CNE exploits, social network analysis, HUMINT targeting, ID tracking (photos, doc IDs), shaping activities, geo-location of target, and collection of comms. It has been well documented that terrorists are OPSEC and tech

GVEs = Games & Virtual Environments

CNE = Computer Network Exploitation

HUMINT = Human Intelligence

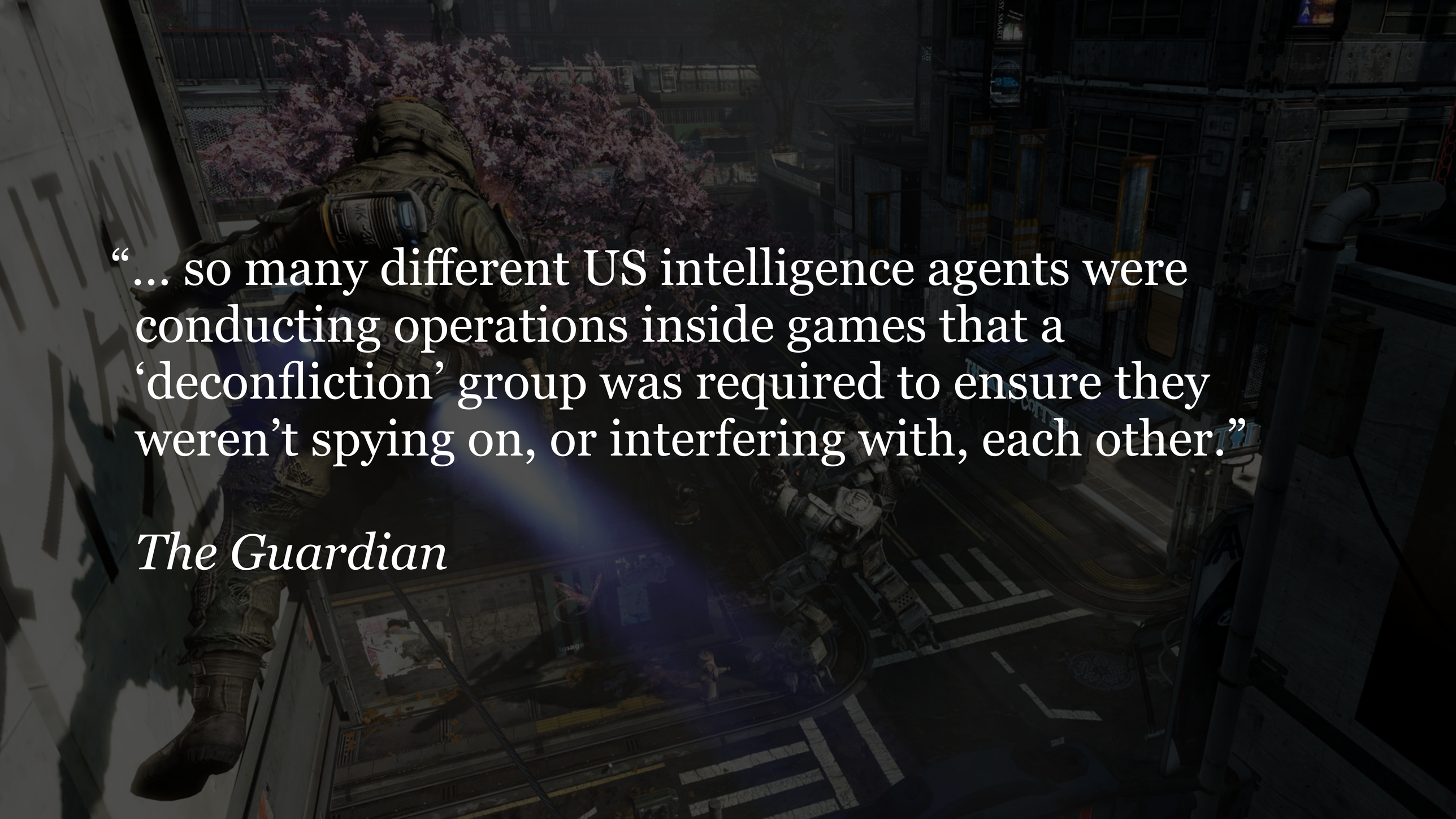
From NSA's "Exploiting Terrorist Use of Games & Virtual Environments", January 8, 2007



“The documents … do not cite any counterterrorism successes from the effort. Former American intelligence officials … said in interviews that they knew of little evidence that terrorist groups viewed the games as havens to communicate and plot operations.”

The New York Times

TITANS COFFEE
MARKET DISTRICT



“… so many different US intelligence agents were conducting operations inside games that a ‘deconfliction’ group was required to ensure they weren’t spying on, or interfering with, each other.”

The Guardian

theguardian

Glenn Greenwald: how the NSA tampers with US-made internet routers

May 12, 2014

2012 report from House of Representatives Intelligence Committee

Warned US companies not to buy from Chinese telecom equipment makers Huawei & ZTE

“The … committee voiced fears that the two companies were enabling Chinese state surveillance, although it acknowledged that it had obtained no actual evidence that the firms had implanted their routers and other systems with surveillance devices.”

June 2010 report from head of NSA's Access & Target Department

NSA routinely intercepts routers, servers, & other networking equipment being exported from US to international customers

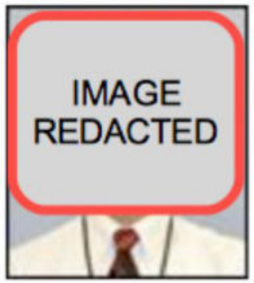
NSA implants backdoor surveillance tools, repackages devices, & re-sends packages

NSA gains access to entire networks & users

June 2010

(U) Stealthy Techniques Can Crack Some of SIGINT's Hardest Targets

By: (U//FOUO) NAME REDACTED, Chief, Access and Target Development (S3261)



(TS//SI//NF) Not all SIGINT tradecraft involves accessing signals and networks from thousands of miles away… In fact, sometimes it is very hands-on (literally!). Here's how it works: shipments of computer network devices (servers, routers, etc.) being delivered to our targets throughout the world are ***intercepted***. Next, they are ***redirected to a secret location*** where Tailored Access Operations/Access Operations (AO – S326) employees, with the support of the Remote Operations Center (S321), enable the ***installation of beacon implants*** directly into our targets' electronic devices. These devices are then re-packaged and ***placed back into transit*** to the original destination. All of this happens with the support of Intelligence Community partners and the technical wizards in TAO.

(TS//SI//NF) Such operations involving **supply-chain interdiction** are some of the most productive operations in TAO, because they pre-position access points into hard target networks around the world.

(TS//SI//NF) Left: Intercepted packages are opened carefully; Right: A "load station" implants a beacon

If We Had Time...

NSA PLANNED TO HIJACK GOOGLE APP STORE TO HACK SMARTPHONES

BY RYAN GALLAGHER @rj_gallagher

05/21/2015

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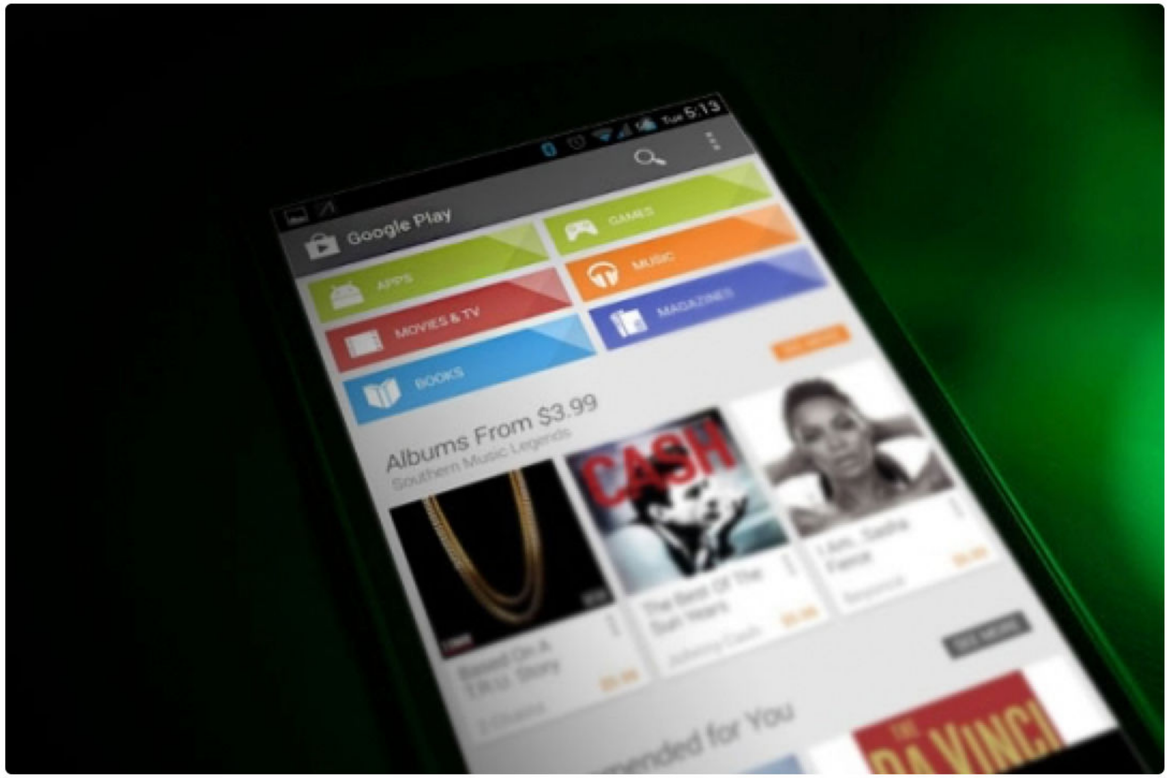
TWITTER
FACEBOOK
GOOGLE
EMAIL
PRINT

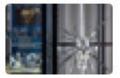


The National Security Agency and its closest allies planned to hijack data links to Google and Samsung app stores to infect smartphones with spyware, a top-secret document reveals.

POPULAR

THE SUNDAY TIMES' SNOWDEN STORY IS JOURNALISM AT ITS WORST — AND FILLED WITH FALSEHOODS

FROM DEATH ROW AT 16 TO SUICIDE AT 45: THE LIFE AND DEATH OF PAULA COOPER


INSIDE THE SECRET WORLD OF NSA ART

YOU CAN'T READ THE TPP AND YOU CAN'T FIND OUT WHO IN CONGRESS HAS

MAJOR QUESTIONS REMAIN UNANSWERED IN BOSTON KILLING OF ALLEGED ISIS BEHEADING PLOTTER

THE GREAT SIM HEIST

HOW SPIES STOLE THE KEYS TO THE ENCRYPTION CASTLE

BY JEREMY SCAHILL AND JOSH BEGLEY @jeremyscahill @joshbegley

02/19/2015

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AMERICAN AND BRITISH spies hacked into the internal computer network of the largest manufacturer of SIM cards in the world, stealing encryption keys used to protect the privacy of cellphone communications across the globe, according to top-secret documents provided to *The Intercept* by National Security Agency whistleblower Edward Snowden.

POPULAR

THE SUNDAY TIMES' SNOWDEN STORY IS JOURNALISM AT ITS WORST — AND FILLED WITH FALSEHOODS

U.S. secretly tracked billions of calls for decades

Brad Heath, USA TODAY 10:36 a.m. EDT April 8, 2015

10055 CONNECT | 6250 TWEET | 241 LINKEDIN | 253 COMMENT | EMAIL

(Photo: Photo: Mike Christy, AP)

WASHINGTON — The U.S. government started keeping secret records of Americans' international telephone calls nearly a decade before the Sept. 11 terrorist attacks, harvesting billions of calls in a program that provided a blueprint for the far broader National Security Agency surveillance that followed.

For more than two decades, the Justice Department and the Drug Enforcement Administration amassed logs of virtually all telephone calls from the USA to as many as 116 countries linked to drug trafficking, current and former officials involved with the operation said. The targeted countries changed over time but included Canada, Mexico and most of Central and South America.

Federal investigators used the call records to track drug cartels' distribution networks in the USA, allowing agents to detect previously unknown trafficking rings and money handlers. They also used the records to help rule out foreign ties to the bombing in 1995 of a federal building in Oklahoma City and to identify U.S. suspects in a wide

TOP VIDEOS

Hillary Clinton channels Roosevelt
02:03

Get your grill on with these Father's Day gifts
02:21

NSA built "Google-like" interface to scan 850+ billion metadata records

Data like unique phone identifiers, e-mail addresses, and chat handles now being shared.

by **Cyrus Farivar** - Aug 25, 2014 4:05pm CDT

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LATEST FEATURE STORY

FEATURE STORY (4 PAGES)

Louder vowels won't get you laid, and other tales of spurious correlation

If correlation doesn't mean causation, why do scientists keep chasing correlations?

WATCH ARS VIDEO

N.S.A. Collecting Millions of Faces From Web Images

By JAMES RISEN and LAURA POITRAS MAY 31, 2014

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The National Security Agency is harvesting huge numbers of images of people from communications that it intercepts through its global surveillance operations for use in sophisticated facial recognition programs, according to top-secret documents.

The spy agency's reliance on facial recognition technology has grown significantly over the last four years as the agency has turned to new software to exploit the flood of images included in emails, text messages, social media, videoconferences and other communications, the N.S.A. documents reveal. Agency officials believe that technological advances could revolutionize the way that the N.S.A. finds intelligence targets around the world, the documents show. The agency's ambitions for this highly sensitive ability and the scale of its effort have not previously been disclosed.

The agency intercepts "millions of images per day" — including about 55,000 "facial recognition quality images" — which translate into "tremendous untapped potential," according to 2011 documents obtained from the former agency contractor Edward J. Snowden. While once focused on written and oral communications, the N.S.A. now considers facial images, fingerprints and other identifiers just as important to its mission of tracking suspected terrorists and other intelligence targets, the documents show.

HOW THE NSA PLANS TO INFECT 'MILLIONS' OF COMPUTERS WITH MALWARE

BY RYAN GALLAGHER AND GLENN GREENWALD @rj_gallagher @ggreenwald

03/12/2014

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Top-secret documents reveal that the National Security Agency is dramatically expanding its ability to covertly hack into computers on a mass scale by using automated systems that reduce the level of human oversight in the process.

The classified files – provided previously by NSA whistleblower Edward Snowden – contain new details about groundbreaking surveillance technology the agency has developed to infect potentially millions of computers worldwide with malware "implants." The clandestine initiative enables the NSA to break into targeted computers and to siphon out data from foreign Internet and phone networks.

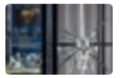
The covert infrastructure that supports the hacking efforts operates from the agency's headquarters in Fort Meade, Maryland, and from eavesdropping bases in the United Kingdom and Japan. GCHQ, the British intelligence agency, appears to have played an integral role in helping to develop the implants tactic.

In some cases the NSA has masqueraded as a fake Facebook server, using the social media site as a launching pad to infect a target's computer and

POPULAR

THE SUNDAY TIMES' SNOWDEN STORY IS JOURNALISM AT ITS WORST — AND FILLED WITH FALSEHOODS

FROM DEATH ROW AT 16 TO SUICIDE AT 45: THE LIFE AND DEATH OF PAULA COOPER


INSIDE THE SECRET WORLD OF NSA ART

YOU CAN'T READ THE TPP AND YOU CAN'T FIND OUT WHO IN CONGRESS HAS

MAJOR QUESTIONS REMAIN UNANSWERED IN BOSTON KILLING OF ALLEGED ISIS BEHEADING PLOTTER

UK Spy Agency Collected Millions of Webcam Images From Yahoo Users

BY LORENZO FRANCESCHI-BICCHIERAI

FEB 27, 2014

British spy agency GCHQ has spied on millions of Yahoo users' webcam images as part of a bulk collection program codenamed Optic Nerve, according to the latest report based on documents provided by Edward Snowden.

The GCHQ, with help from the NSA, collected a vast number of webcam pictures from 1.8 million users over a six-month period by tapping fiber optic cables. The program began as a prototype in 2008 but was still active in 2012, *The Guardian* reported.

SEE ALSO: Snowden Docs: British Spies Used DDoS Attacks Against Anonymous

A large number of images turned out to be pornographic: Between 3% and 11% of the entire database harvested by GCHQ contained "undesirable nudity," the documents read.

Between 3% and 11% of the entire database harvested by GCHQ contained "undesirable nudity."

"Unfortunately […] it would appear that a surprising number of people use webcam conversations to show intimate parts of their body to the other person," the documents read, according to *The Guardian*. "Also, the fact that the Yahoo software allows more than one person to

The NSA files

NSA collects millions of text messages daily in 'untargeted' global sweep

- NSA extracts location, contacts and financial transactions
- 'Dishfire' program sweeps up 'pretty much everything it can'
- GCHQ using database to search metadata from UK numbers
- Dishfire presentation on text message collection – key extracts

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Thursday 16 January 2014
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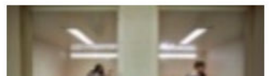

Prisons that withhold menstrual pads

Want to keep up with the Snowden news?

Timeline of Edward Snowden's revelations

Al Jazeera's in-depth look back at a year of NSA leaks by the former government contractor who fled from Hawaii to Hong Kong to Russia after releasing loads of documents on surveillance in the U.S. and around the world. Information below is compiled from outlets that first reported the data.

June 5, 2013

Guardian announces leak of classified NSA documents

British daily newspaper The Guardian reveals the leak of classified National Security Agency (NSA) documents, be-

Paul J. Richards/AFP/Getty Images

June 5, 2013

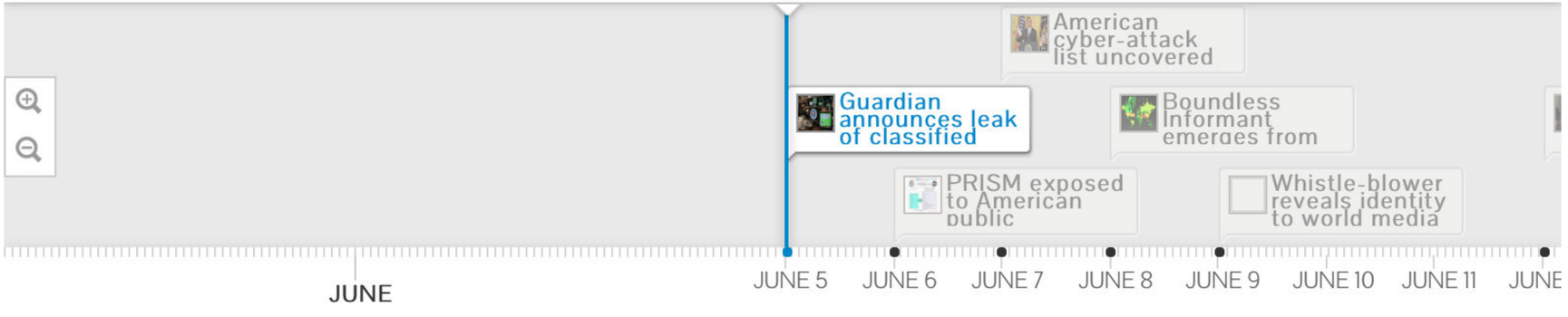
Guardian announces leak of classified NSA documents

British daily newspaper The Guardian reveals the leak of classified National Security Agency (NSA) documents, beginning with an order from the Foreign Intelligence Surveillance Court (FISC) requiring Verizon to hand over metadata from millions of Americans' phone calls to the Federal Bureau of Investigation (FBI) and the NSA.

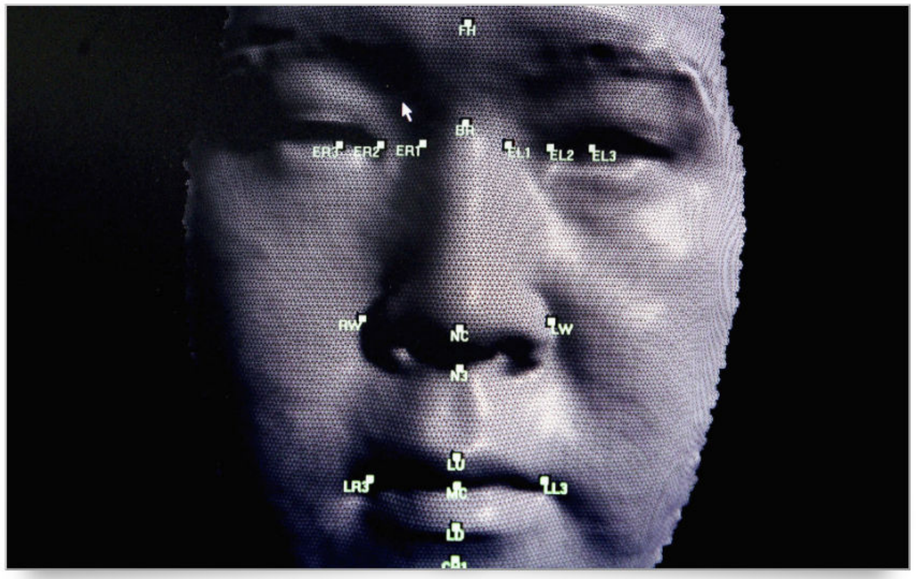
Articles that broke this story:

- NSA collecting phone records of millions of Verizon customers daily | The Guardian (June 5)
- Verizon forced to hand over telephone data | The Guardian (June 5)

JUNE 6, 2013
PRISM exposed to American public



MAY 19, 2014
Phone metadata logged by 'Mystic'



Ian Waldie/Getty Images

May 31, 2014

NSA fixated on faces

The New York Times describes details of the NSA's increasing interest in facial recognition technology.

The agency reportedly collects images from a variety of sources - including intercepted emails, text messages, video chats, border crossings and databases maintained by foreign governments - for inclusion in its facial recognition programs. It also has the capability to correlate locations in these images with spy satellite data, the report says.

Phone metadata logged by 'Mystic'
NSA fixated faces

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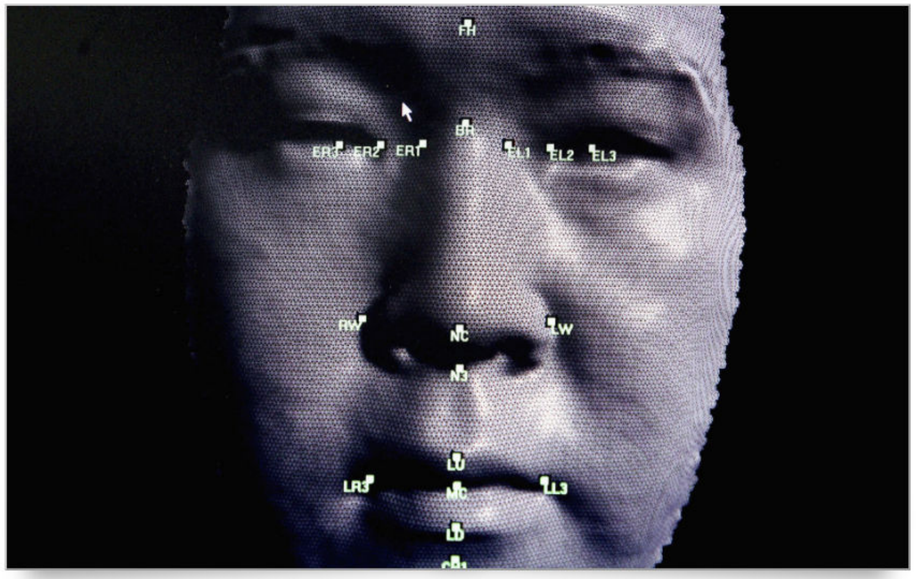

Ian Waldie/Getty Images

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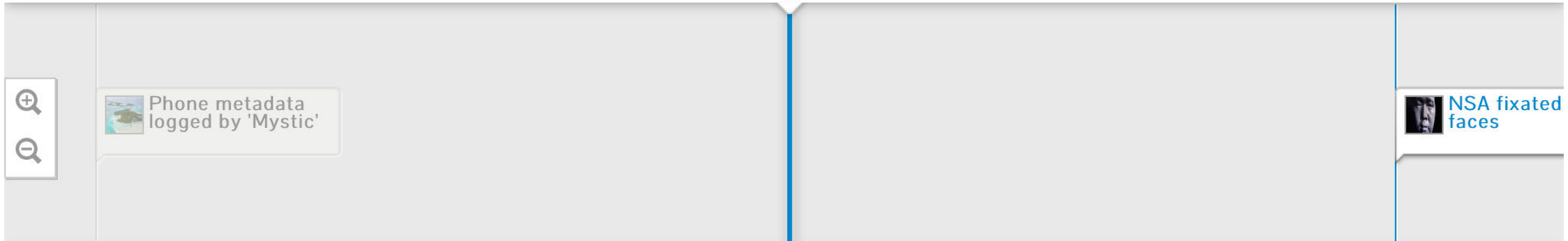
america.aljazeera.com/articles/multimedia/timeline-edward-snowden-revelations.html



Global surveillance disclosures (2013–present)

From Wikipedia, the free encyclopedia
(Redirected from 2013 mass surveillance scandal)

For disclosures published before those of Edward Snowden, see Global surveillance disclosures

Ongoing news reports in the international media have revealed operational details about the U.S. National Security Agency (NSA) and its international partners' global surveillance[1] of foreign nationals and U.S. citizens. The reports mostly emanate from a cache of top secret documents leaked by ex-NSA contractor Edward Snowden, who obtained them while working for Booz Allen Hamilton, one of the largest contractors for defense and intelligence in the United States.[2] In addition to a trove of U.S. federal documents, Snowden's cache reportedly contains thousands of Australian, British and Canadian intelligence files that he had accessed via the exclusive "Five Eyes" network. In June 2013, the first of Snowden's documents were published simultaneously by *The Washington Post* and *The Guardian*, attracting considerable public attention.[3] The disclosure continued throughout the entire year of 2013, and a significant portion of the full cache of the estimated 1.7 million documents[4] was later obtained and published by many other media outlets worldwide, most notably *The New York Times*, the Canadian Broadcasting Corporation, the Australian Broadcasting Corporation, *Der Spiegel* (Germany), *O Globo* (Brazil), *Le Monde* (France), *L'espresso* (Italy), *NRC Handelsblad* (the Netherlands), *Dagbladet* (Norway), *El País* (Spain), and Sveriges Television (Sweden).[5]

These media reports have shed light on the implications of several secret treaties signed by members of the UKUSA community in their efforts to implement global surveillance. For example, *Der Spiegel* revealed how the German Bundesnachrichtendienst (BND) transfers "massive amounts of intercepted data to the NSA",[6] while Sveriges Television revealed the National Defence Radio Establishment (FRA) provided the NSA with data from its cable collection, under a secret treaty signed in 1954 for bilateral cooperation on surveillance.[7] Other security and intelligence agencies involved in the practice of global surveillance include those in Australia (ASD), Britain (GCHQ), Canada (CSEC), Denmark (PET), France (DGSE), Germany (BND), Italy (AISE), the

Part of a series on

Global surveillance

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Disclosures

Global surveillance

Origins · Pre-2013 · **2013–present** · Reactions

Systems

PRISM · ECHELON · Carnivore · DISHFIRE · STONEGHOST · Frenchelon

Agencies

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Revelations

Spy agencies planned to implant spyware on phones using app stores

NSA monitored Al Jazeera bureau chief as a "member of Al Qaeda"

How the NSA uses speech-to-text technology

New Zealand's spies plotted China hack with the NSA

New Zealand spies on – and with – Bangladesh

UK launched "long-running, large scale, pioneering" information operation against Argentina

Israel does spy on the United States

Canada's cyberwar toolbox revealed

New Zealand spied on candidates for top WTO job

New Zealand targeted Solomon

Revelations

Documents revealed by Edward Snowden and pertaining to the National Security Agency (NSA), US surveillance programs and US Intelligence Community partners abroad have been released and reported on since 5 June 2013. Below is a list of the revelations, with links to documents and relevant articles, with the most recent ones at the top.

Spy agencies planned to implant spyware on phones using app stores

Joint Five Eyes unit the Network Tradecraft Advancement Team planned to infect smartphones with spyware by exploiting mobile phone browsers and data links to the Google and Samsung app stores. A 2012 presentation discusses vulnerabilities that NSA had discovered but not disclosed to the companies involved or the public at large. A series of workshops on the issue was held in Australia and Canada in late 2011 and early 2012.

Source document:
Synergising Network Analysis Tradecraft

Relevant articles:
Spy agencies target mobile phones, app stores to implant spyware, by Amber Hildebrandt and Dave Seglins, 21 May 2015, *CBC News*
NSA Planned to Hijack Google App Store to Hack Smartphones, by Ryan Gallagher, 21 May 2015 in the *Intercept*

Revelations

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Source document:

edwardsnowden.com/revelations/

Solutions: encryption & education

Know your *threat model*: from whom are you protecting yourself?

The snoop in the coffee shop?

Corporations?

The government?

ZOMBIES?!?

ZOMBIES?!?

Shoot them in the head

Thieves & Snoops

The goal: prevent the snoop from reading your stuff

Not worried about corporations & the government

Email over HTTPS

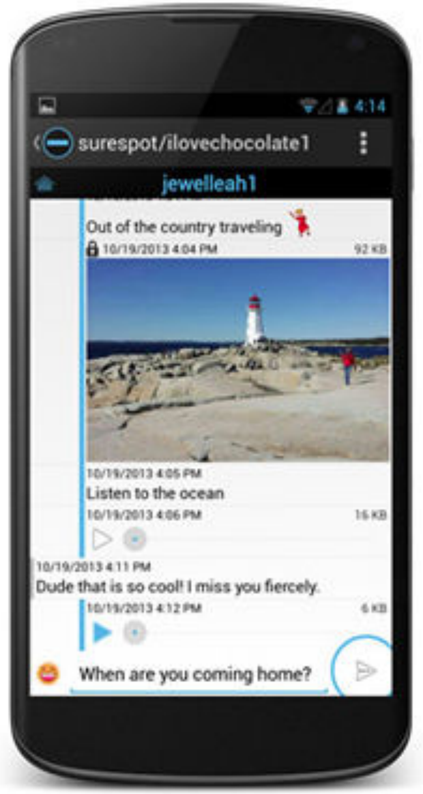
» Gmail
» ~~Hotmail~~ Outlook.com
» Yahoo Mail

IM

» Skype
» Google Chat Hangouts
» Surespot

surespot

encrypted messenger



exceptional encryption for everyone

surespot is a secure mobile messaging app that uses exceptional end-to-end encryption for every text, image and voice message returning your right to privacy.

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100% open source

It is not magic, it is all software code. surespot encrypted messenger put every bit of it's code up on display for the world to review, scrutinize, contribute to and even use. Be assured that surespot

safe and secure

- ✔ surespot is not associated with your phone number or email
- ✔ send voice messages when your hands or eyes are too busy to text
- ✔ multiple identities on a single device to keep matters separated

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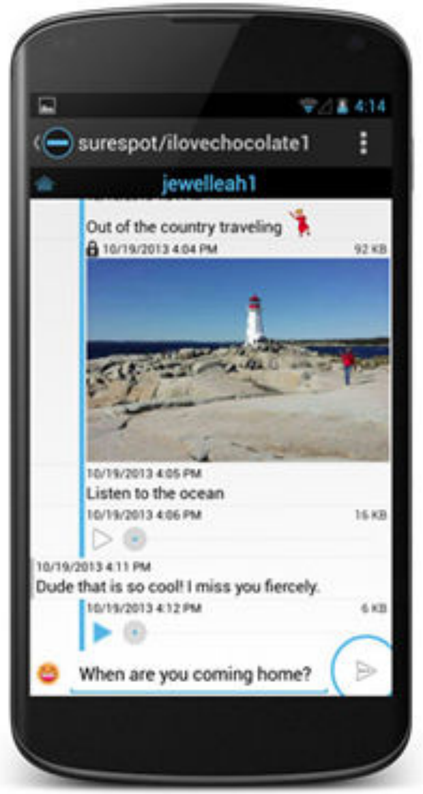
encrypted messenger



exceptional encryption for everyone

surespot is a secure mobile messaging app that uses exceptional end-to-end encryption for every text, image and voice message returning your right to privacy.

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Download on the App Store

100% open source

safe and secure

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Extensions

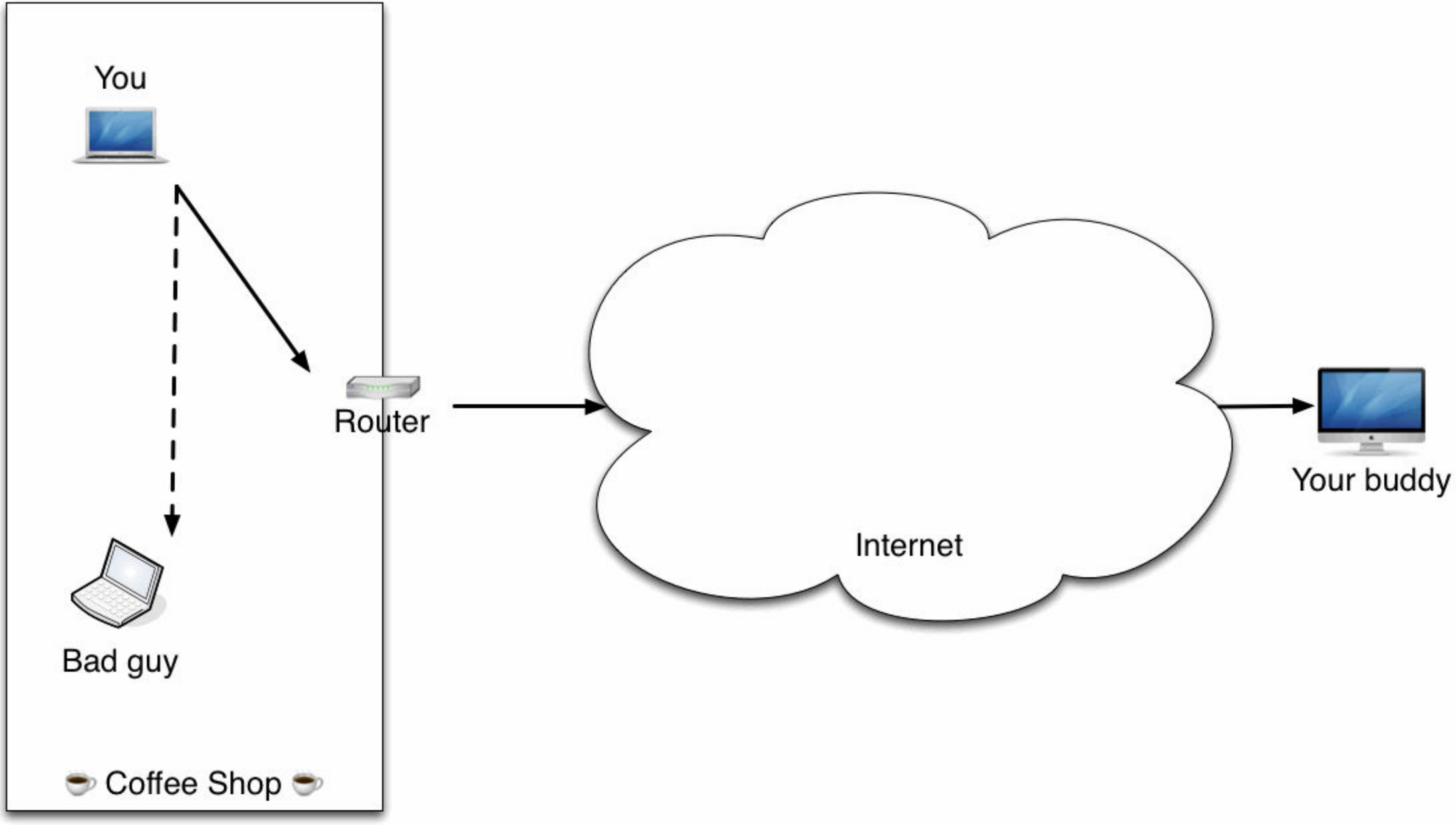
» HTTPS Everywhere
» Force-TLS

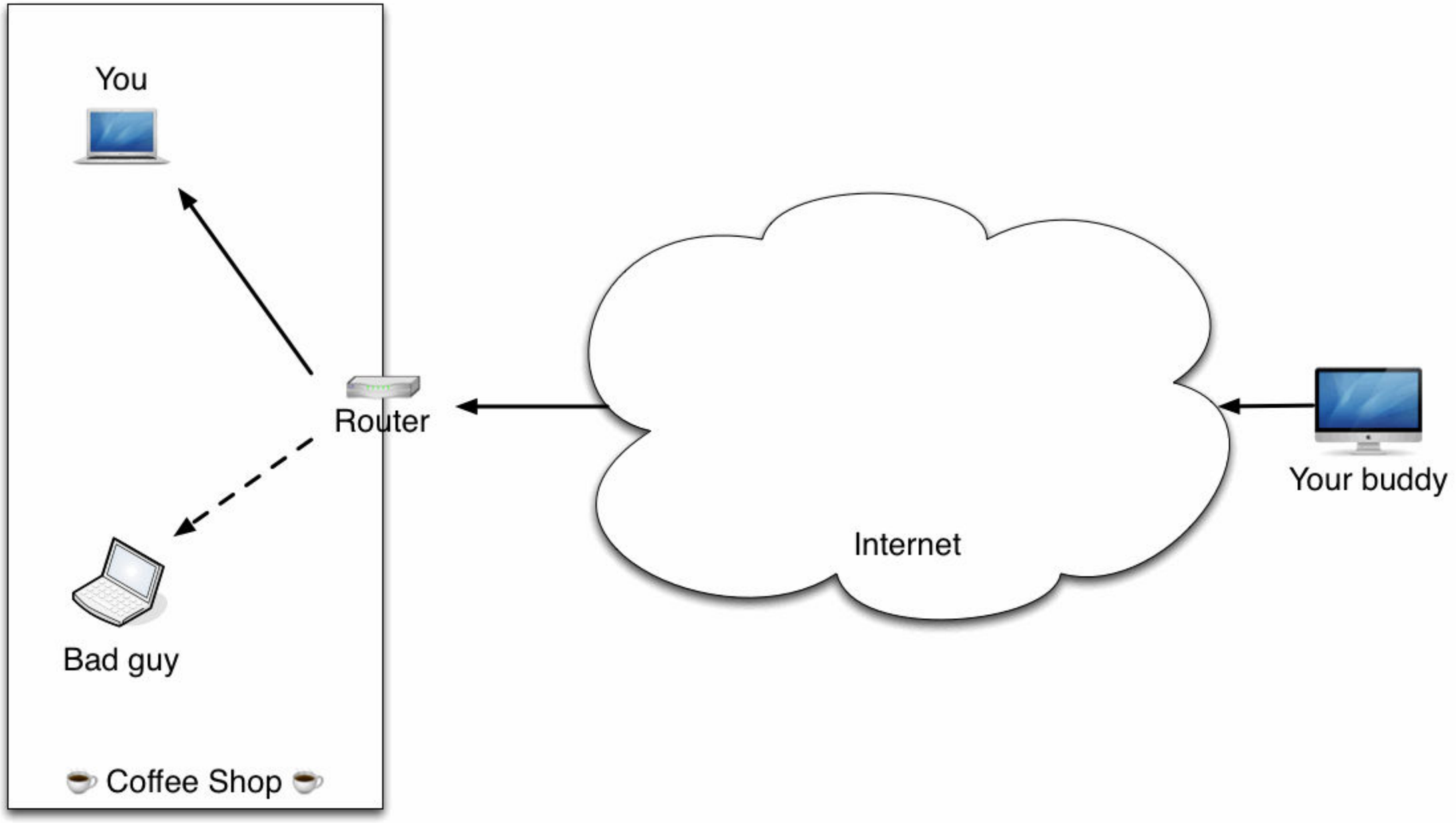
Extensions

» Secure Login Helper
» KB SSL Enforcer

VPN (*Virtual Private Network*) encrypts all Internet traffic in an encrypted tunnel between you & the VPN server

After that, it’s not in the encrypted tunnel


You
Router
Internet
Your buddy
Bad guy
Coffee Shop


You
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Coffee Shop
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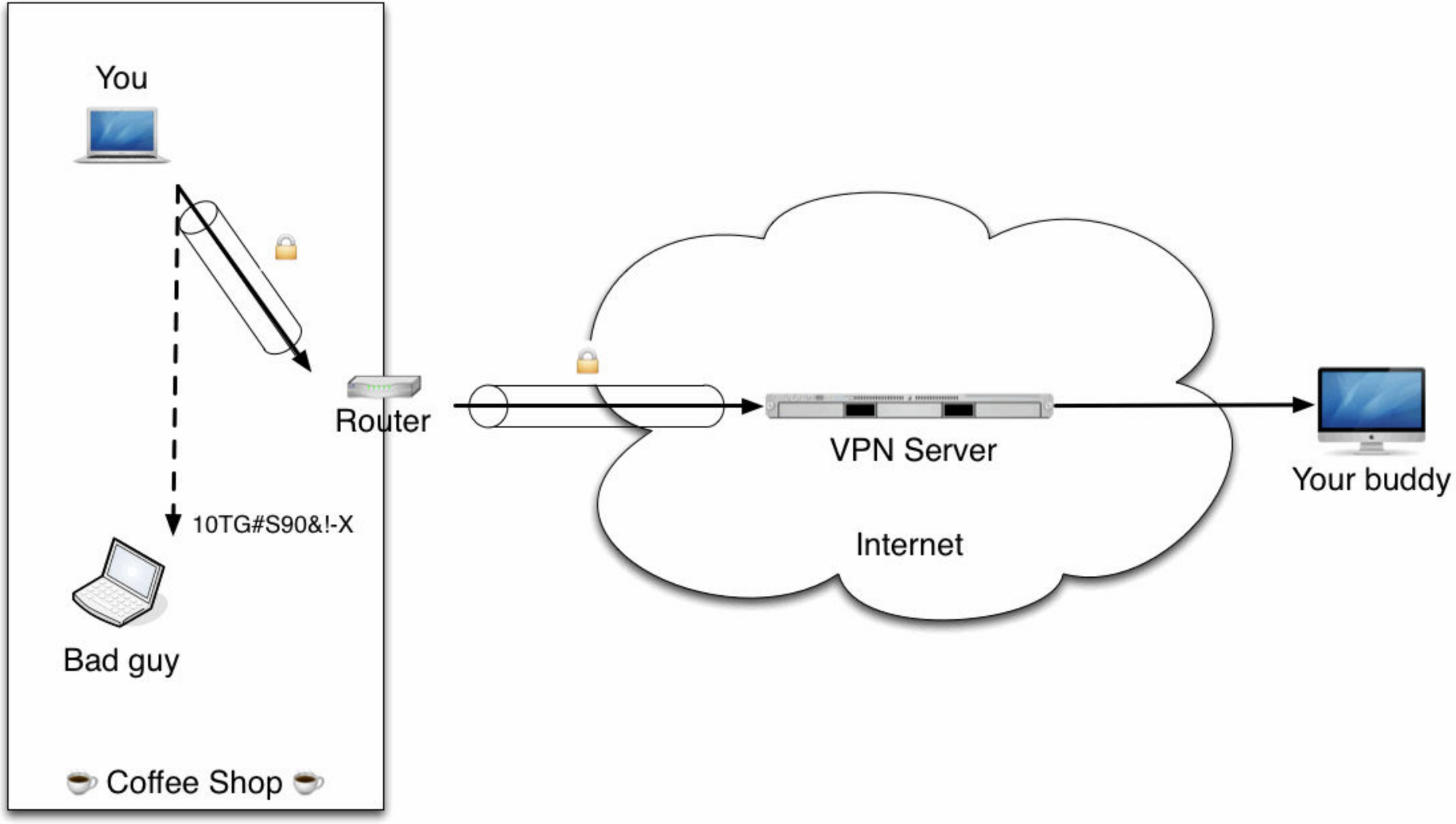
You
Router
10TG#S90&!-X
Bad guy
Coffee Shop
VPN Server
Internet
Your buddy

YOUR IP: 68.184.228.253 United States Saint Louis

E-mail ••••••••• LOGIN

STRONG VPN

PROVIDING INTERNET SERVICES SINCE 1995

24X7 LIVE HELP

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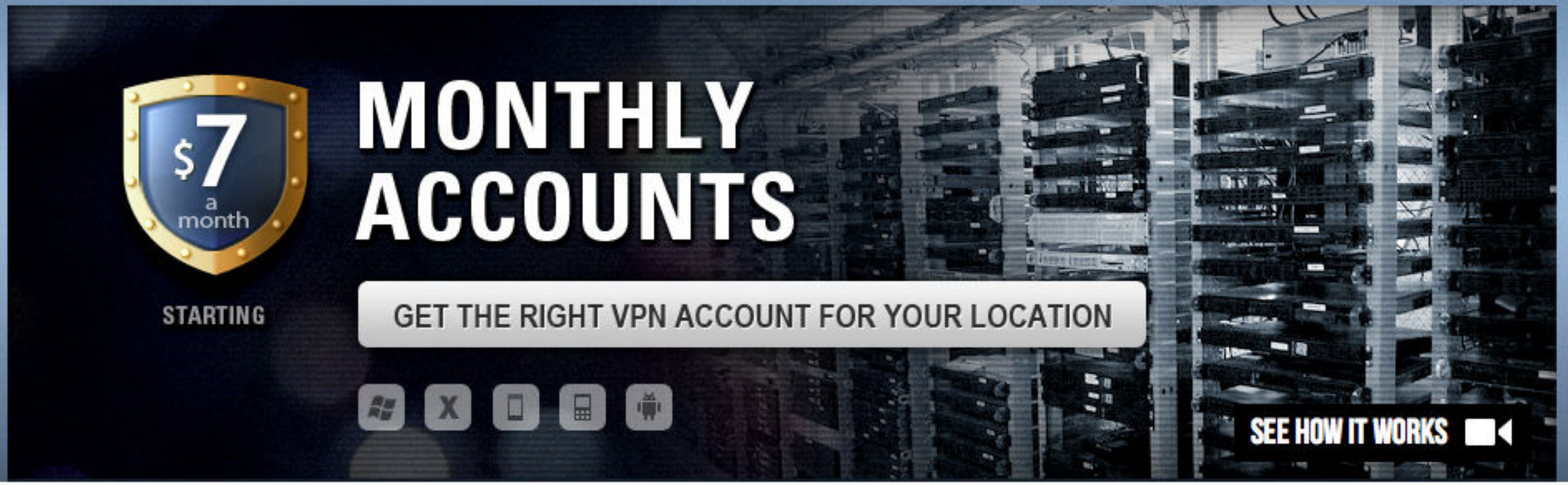

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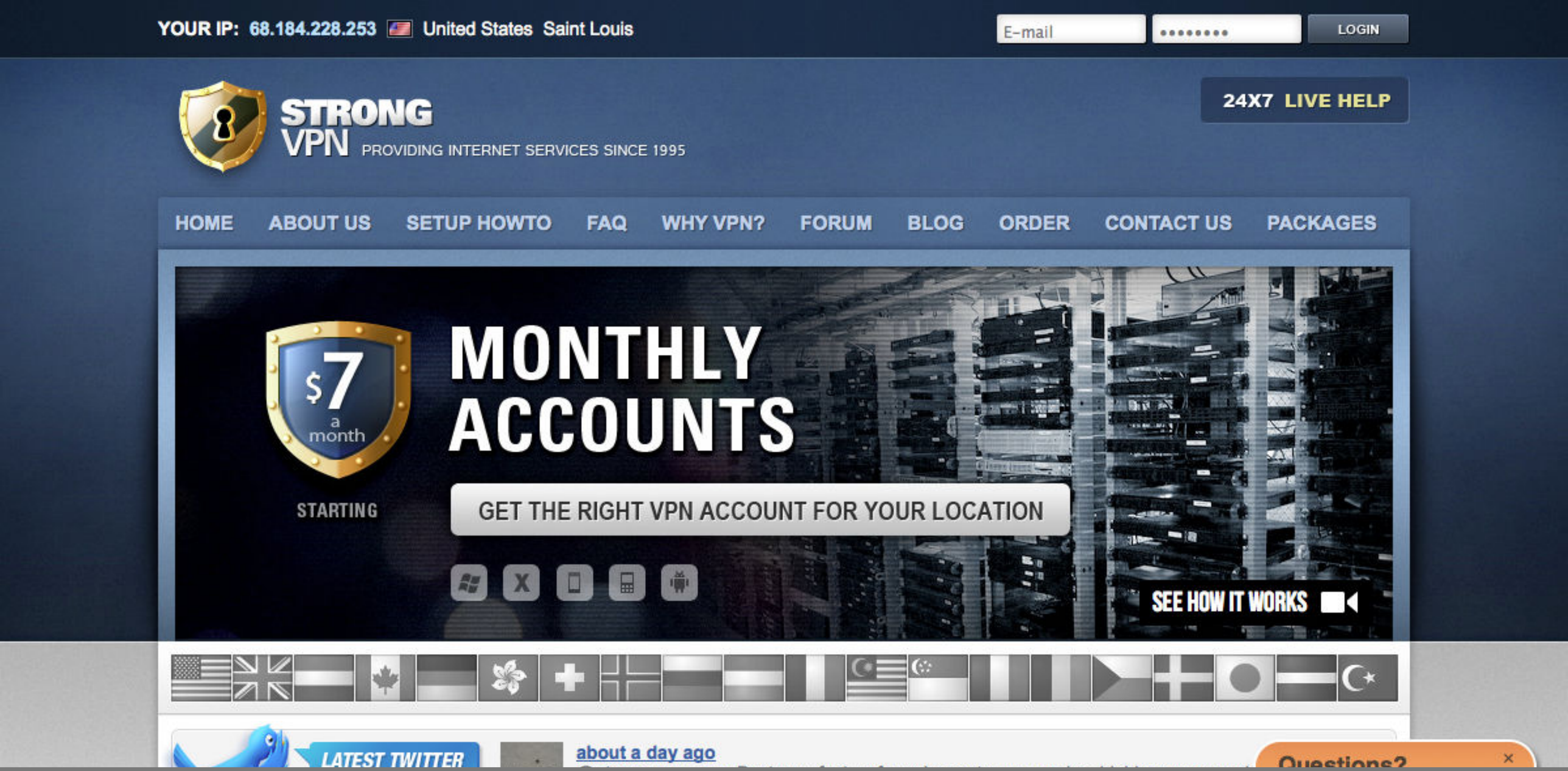

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- Anonymous surfing
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When you connect to our VPN network, we encrypt all your traffic and hide your IP address by swapping it with one of our anonymous ones. This means that you leave no digital footprints.

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What Is My IP Address? (Now detects many proxy servers)

Location not accurate? Update your IP location

IP Information: 5.254.129.67

ISP: Netalia AB
Organization: Portlane Networks AB
Connection: Broadband
Services: None Detected
Country: Sweden

Don't want this ↑↑↑ known? Hide your IP details

5.254.129.67 | Additional IP Details

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5.254.129.67 | Additional IP Details

No logging!

amazon.com
IntelliTXT
YAHOO!
Google
at&t
verizon
YouTube
Pinterest
Aol.
doubleclick
LinkedIn
bing
Microsoft

amazon.com
IntelliTXT
YAHOO!
Google
at&t
verizon
YouTube
Pinterest
Aol.
Corporations
doubleclick
LinkedIn
bing
Microsoft

The goal: stop getting tracked by corporations

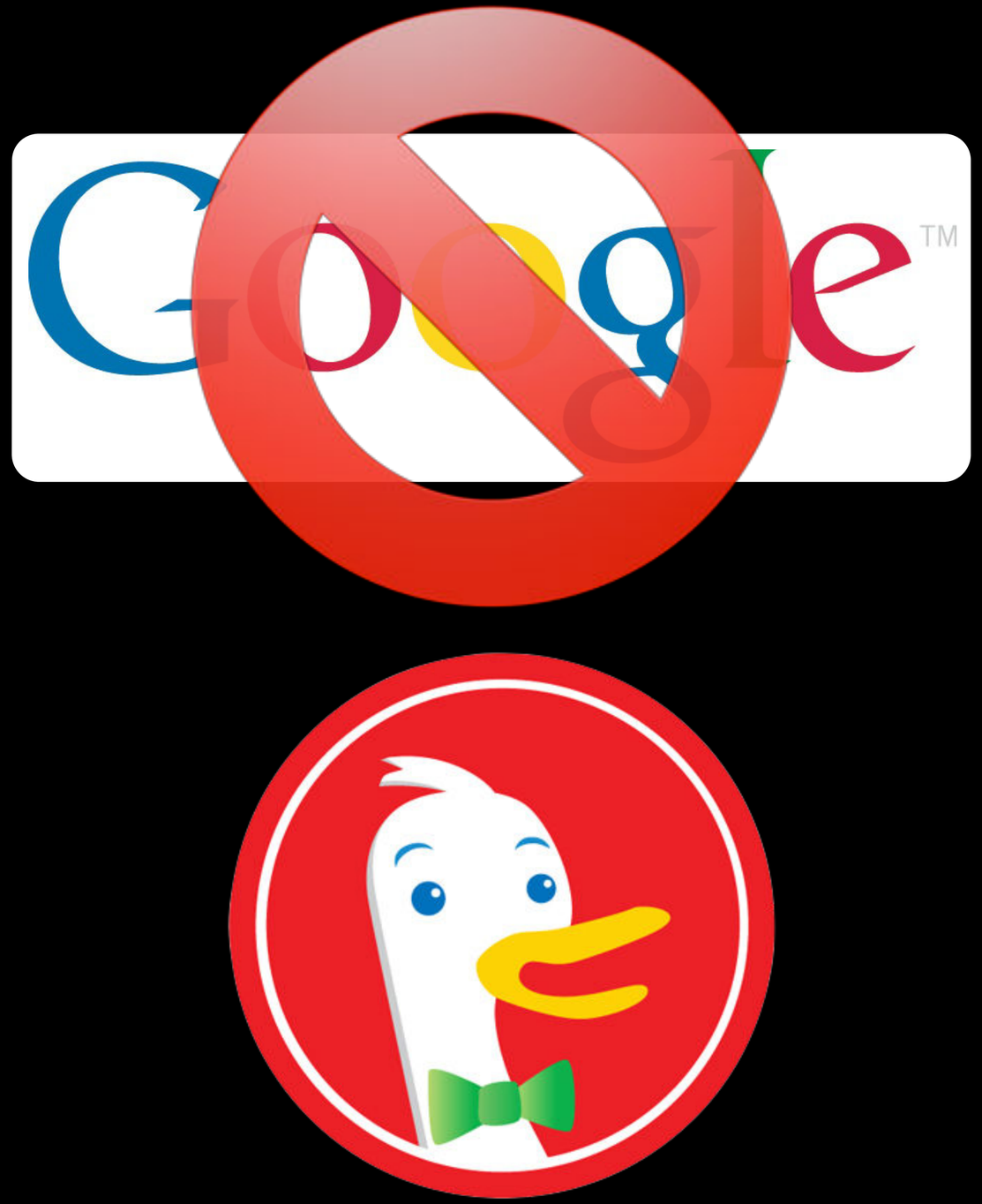
Not a defense against snoops or the government

“If you are not paying for it, you’re not the customer; you’re the product being sold.”

Don’t give your data away

AT&T
1:30 PM
100%
About
Advertising
Limit Ad Tracking
ON

Google
TM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Missouri Scholars Academy

Missouri Scholars Academy, or MSA, is a three-week residential summer program held on the University of Missouri campus in Columbia, Missouri for 330 of Missouri's top rising high school juniors.

W More at Wikipedia | moscholars.org

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Missouri Scholars Academy, or MSA, is a three-week residential summer program held on the University of **Missouri** campus in Columbia, **Missouri** for 330 of **Missouri's** top rising high school juniors.

W en.wikipedia.org

Missouri Scholars Academy | Facebook

Missouri Scholars Academy. 453 likes · 2 talking about this. **Missouri Scholars Academy**, or MSA, is a three-week residential summer program held on the University of **Missouri** campus in Columbia, **Missouri** for 330 of **Missouri's** top rising high school juniors. The official MSA website describes the ...

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We don't collect or share personal information.

That's our privacy policy in a nutshell.

Check out our illustrated search privacy guides at donttrack.us and dontbubble.us.

DuckDuckGo does not collect or share personal information. That is our privacy policy in a nutshell. The rest of this page tries to explain why you should care.

Why You Should Care - Search Leakage
Why You Should Care - Search History
Information Not Collected
Information Collected
Information Shared

Last updated on 04/11/12. Removed ", which gets sent to my personal email." in last paragraph

Try a search!

"DuckDuckGo does not collect or share personal information. That is our privacy policy in a nutshell. … When you search at DuckDuckGo, we don't know who you are and there is no way to tie your searches together."

Information Shared

Last updated on 04/11/12. Removed ", which gets sent to my personal email." in last paragraph

1,300+ companies in its database

1900+ trackers

2,300+ tracking patterns

» Advertiser
» Analytics
» Beacon
» Widget
» Privacy

Rank	Name	Type	Rank Change	Count
1	Google Analytics	AN	=	112
2	Google Adsense	AD	=	39.5
3	Facebook Connect	W	=	35
4	Facebook Social Plugins	W	=	32.2
5	Google +1	W	=	31.1
6	ScoreCard Research Beacon	B	=	25.4
7	DoubleClick	AD	=	23
8	Twitter Button	W	=	19.9
9	Quantcast	AD	=	17.3
10	AddThis	W	=	16.8
11	Omniture (Adobe Analytics)	B	=	10.2
12	OpenX	AD	=	9.3
13	Google AdWords Conversion	AD	=	8
14	Amazon Associates	AD	↑	7.1
15	ShareThis	W	↓	7

AdBrite
Adroit Digital Solutions
Advertising.com
AMP Platform
AppNexus
Audience Science
BlueKai
Brilig
ChartBeat
ChoiceStream
Dataium
DoubleClick
DoubleClick Bid Manager
Drawbridge
Evidon Notice
eXelate
Facebook Connect
Facebook Exchange (FBX)
Facebook Social Plugins
Gigya Socialize
Google +1
Google Adsense
Google Analytics
i-Behavior
Intent Media
Krux Digital
LinkedIn Widgets
Lotame
Media Innovation Group
MediaMind
MSN Ads
NextAction
Omniture
RapLeaf
Right Media
Rocket Fuel
ScoreCard Research Beacon
Tapad
TargusInfo
TradeDesk
Turn
Twitter Button
Typekit by Adobe
VigLink

AdBrite
Adroit Digital Solutions
Advertising.com
AMP Platform
AppNexus
Audience Science
BlueKai
Brilig
ChartBeat
ChoiceStream
Dataium
DoubleClick
DoubleClick Bid Manager
Drawbridge
Evidon Notice
eXelate
Facebook Connect
Facebook Exchange (FBX)
Facebook Social Plugins
Gigya Socialize
Google +1
Google Adsense
Google Analytics
i-Behavior
Intent Media
Krux Digital
LinkedIn Widgets
Lotame
Media Innovation Group
MediaMind
MSN Ads
NextAction
Omniture
RapLeaf
Right Media
Rocket Fuel
ScoreCard Research Beacon
Tapad
TargusInfo
TradeDesk
Turn
Twitter Button
Typekit by Adobe
VigLink

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AdMeld
Adometry
AdSafe
ADTECH
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Aggregate Knowledge
AMP Platform
AppNexus
Audience Science
Bizo
BlueKai
BrightRoll
Brilig
ChoiceStream
ContextWeb
CoreAudience
Criteo
DataXu
Datran
Digilant
DoubleClick
Drawbridge
Evidon Notice
eXelate
Google Adsense
Google AdWords Conversion
Google Analytics
i-Behavior
Intent Media
Invite Media
LeadBack
Lotame
Media Innovation Group
Media6Degrees
MediaMath
NetRatings SiteCensus
NextAction
nPario
OpenX
PubMatic
Quantcast
Quantcast Notice
RapLeaf
Resonate Networks
Right Media
Rocket Fuel
Rubicon
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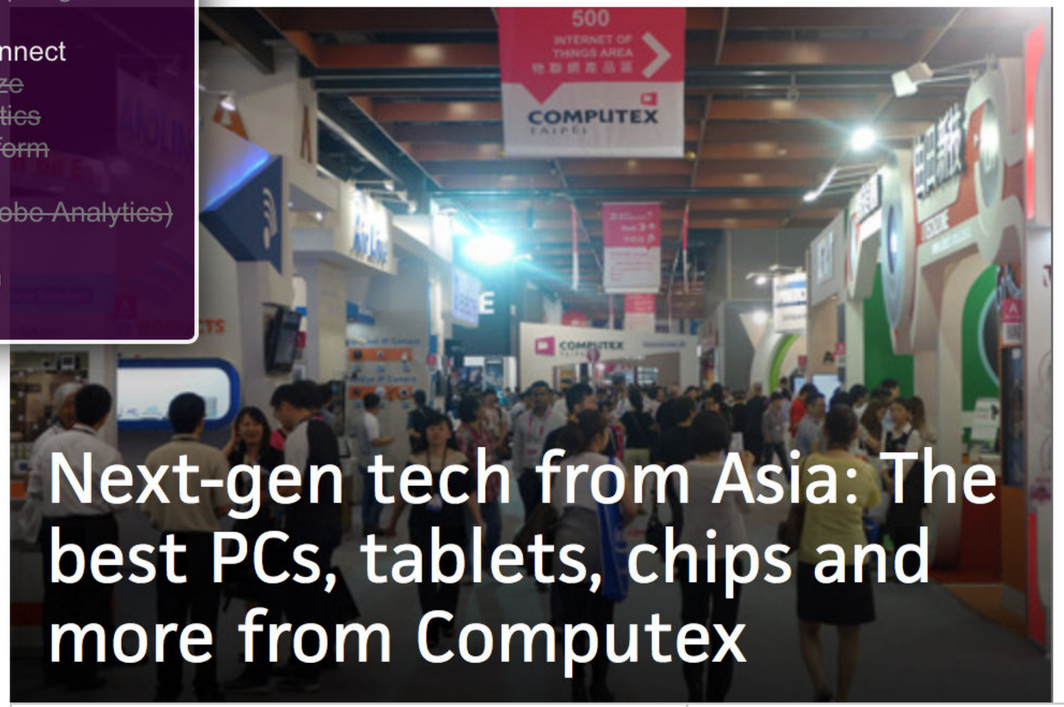

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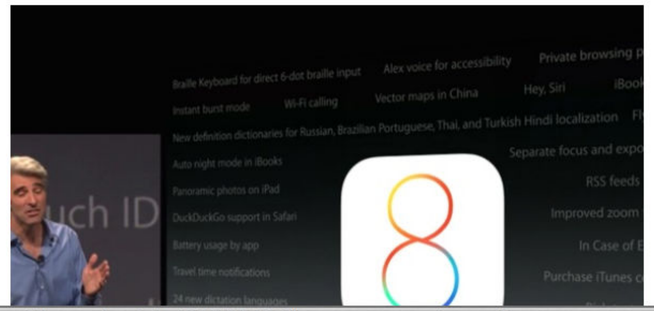

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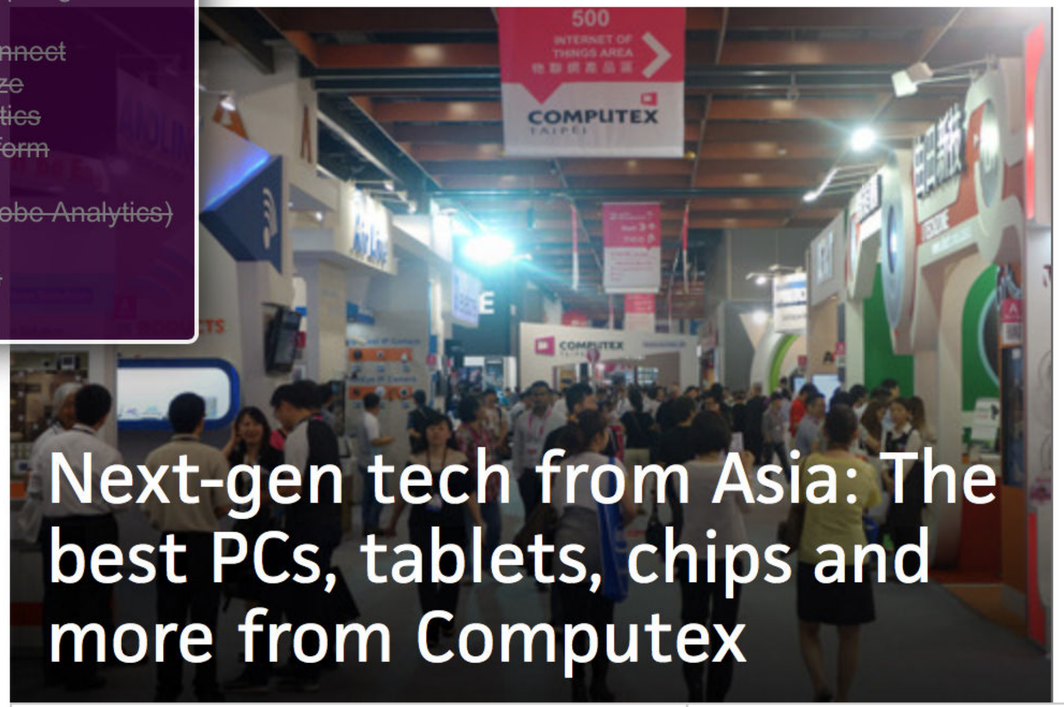

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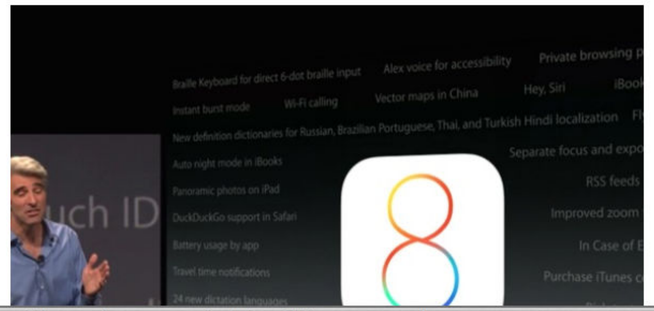

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~~Brightcove~~
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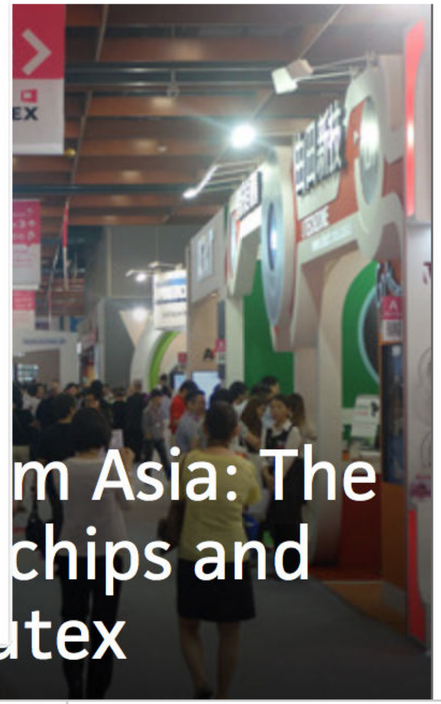

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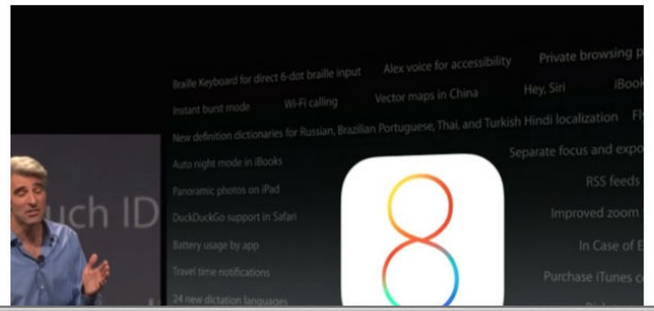

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Data Collected:

Anonymous (Ad Views, Analytics, Browser Information, Cookie Data , Date/Time, Demographic Data, Hardware/Software Type, Interaction Data , Page Views , Serving Domains)
Pseudonymous (IP Address (EU PII), Search History, Location Based Data, Device ID (EU PII))
PII (Phone Number)

Data Sharing:

Anonymous data is shared with 3rd parties.

Data Retention:

Undisclosed

Privacy Contact

DoubleClick

111 Eighth Avenue , 10th Floor , New York, NY, 10011
Email: privacydept@doubleclick.com

Privacy contact URL:

http://www.google.com/support/websearch/bin/request.py?form_type=user&stage=fm&user_type=user&contact_type=privacy

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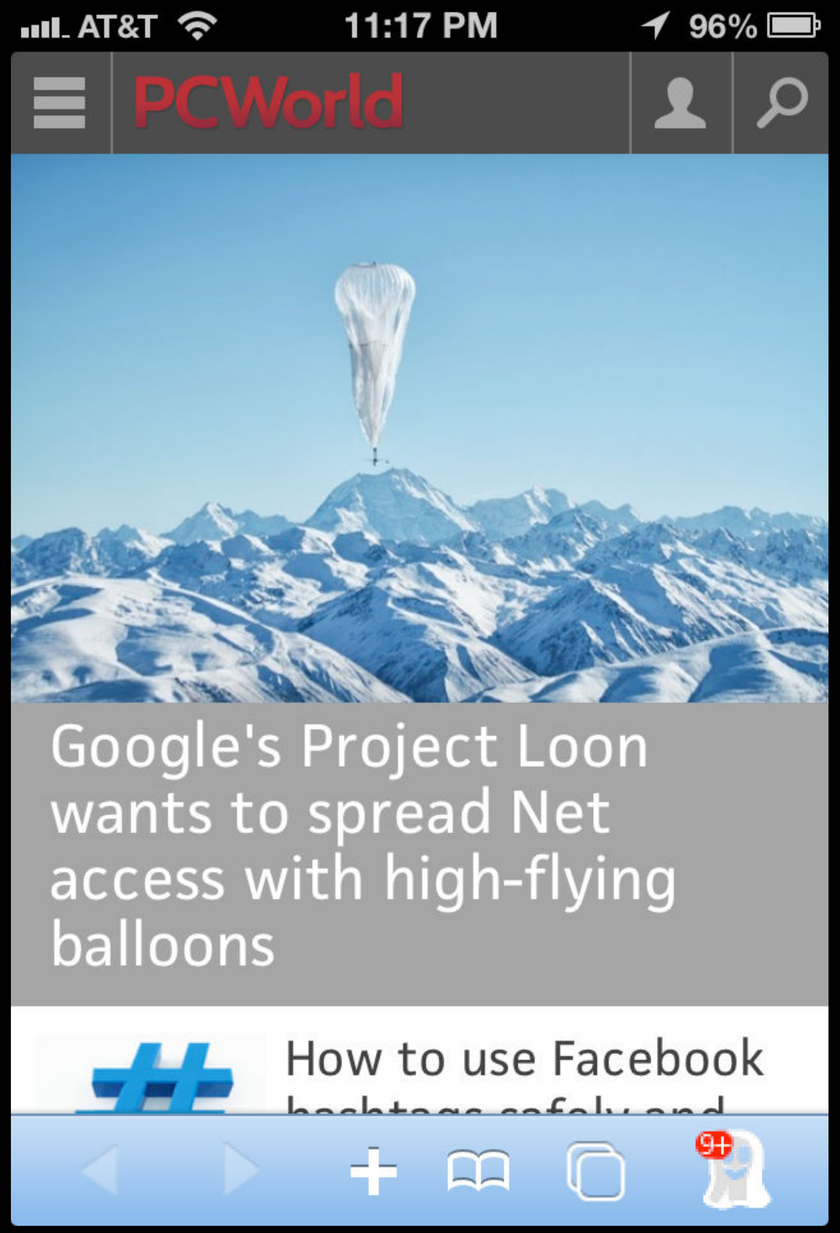
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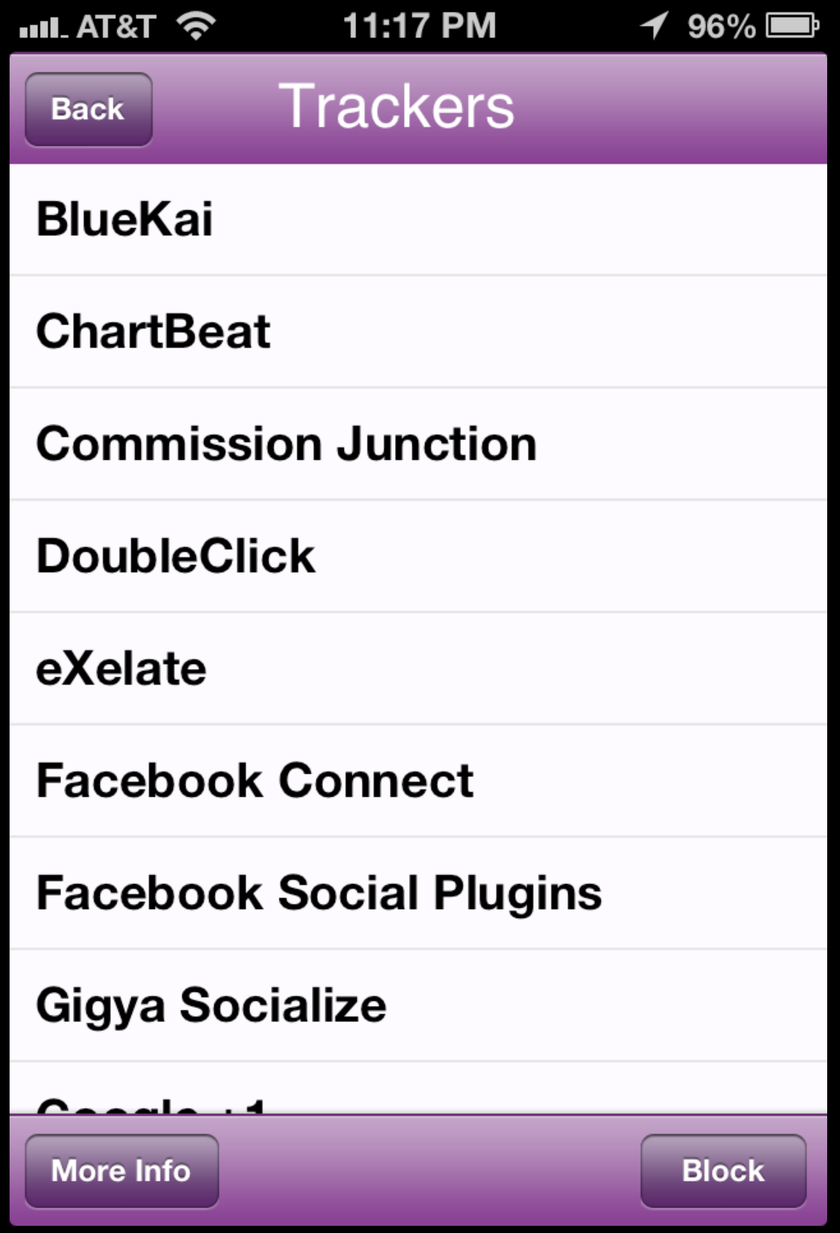
How to use Facebook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Facebook Social Plugins
Gigya Socialize
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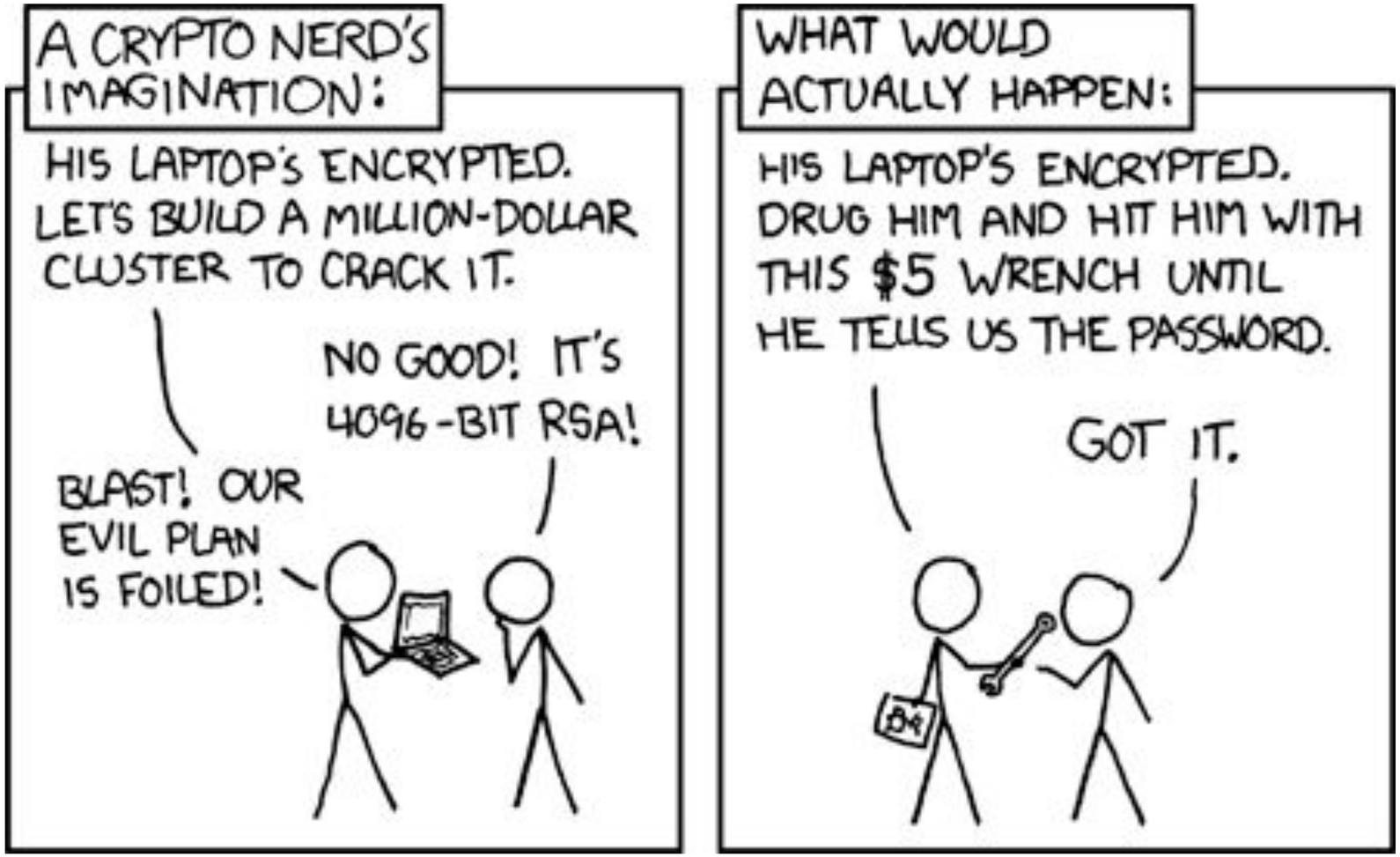
Block

Government Agents

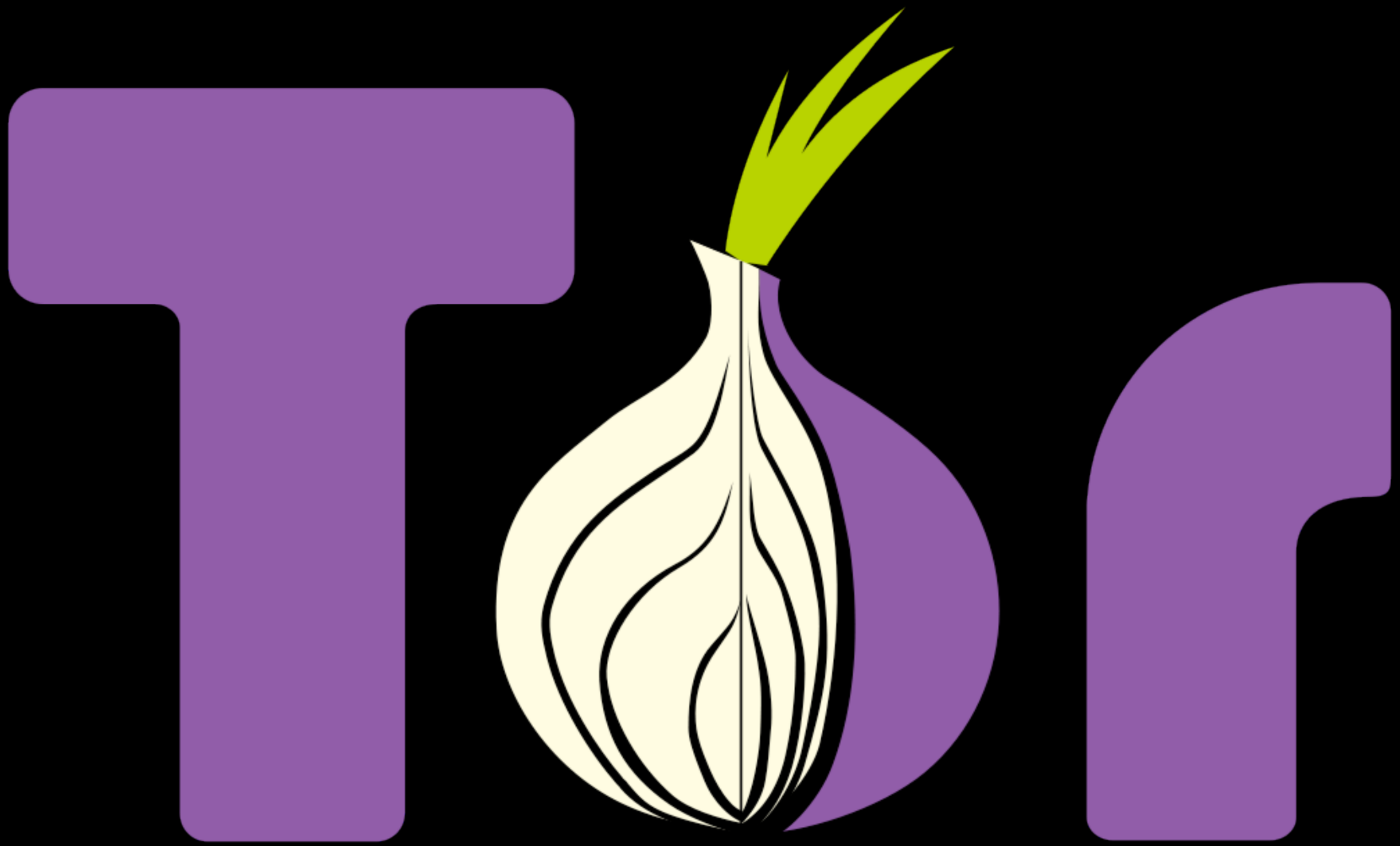
Any unencrypted message sent over the Internet is being delivered to every intelligence service in the world.

Edward Snowden, August 13, 2013

The goal: protect your privacy from the government (& snoops & corporations too!)

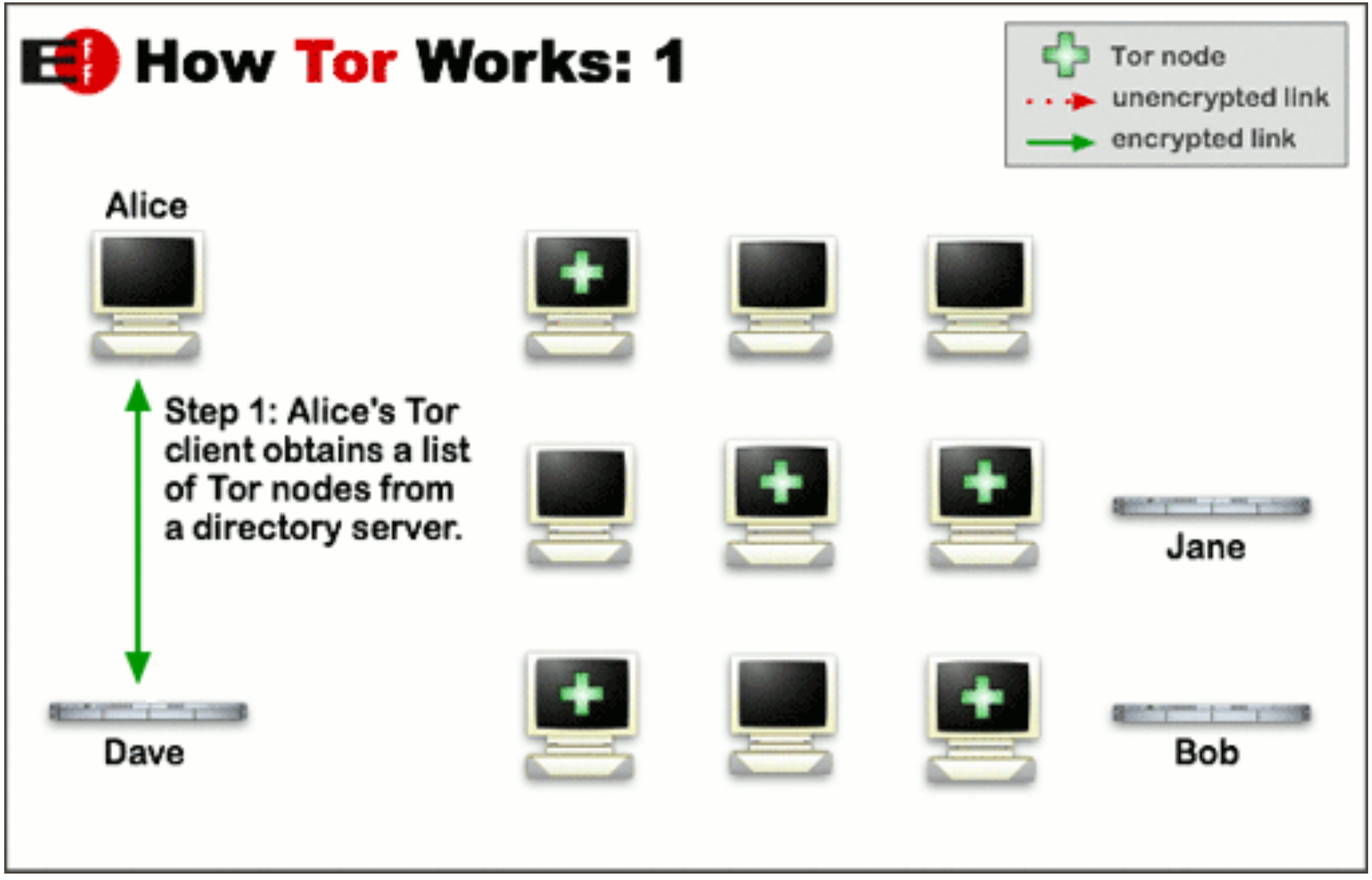


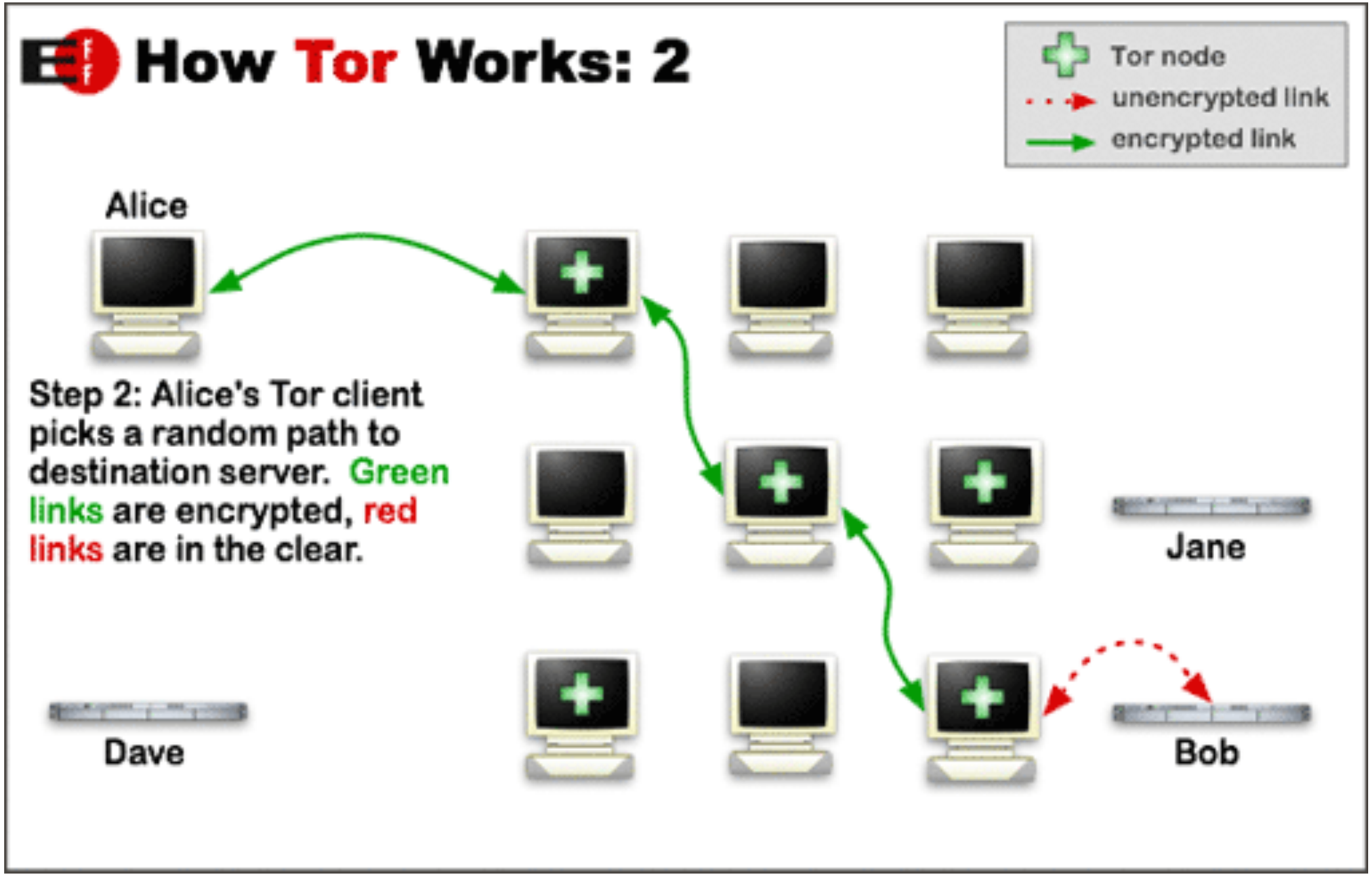
AKA, *rubber-hose cryptanalysis*


Tor

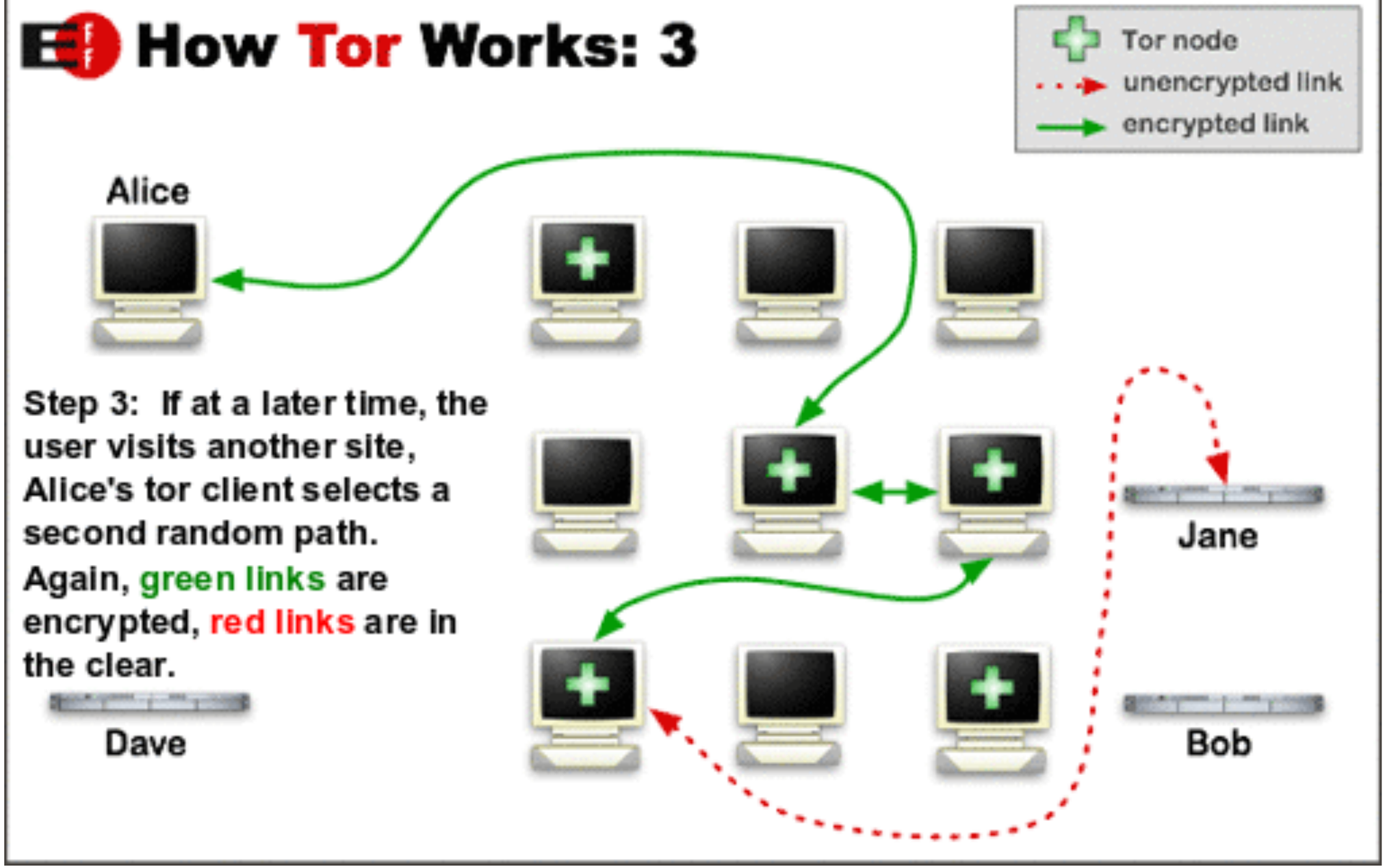
TOR: *The Onion Router*

Hides your Internet location & usage

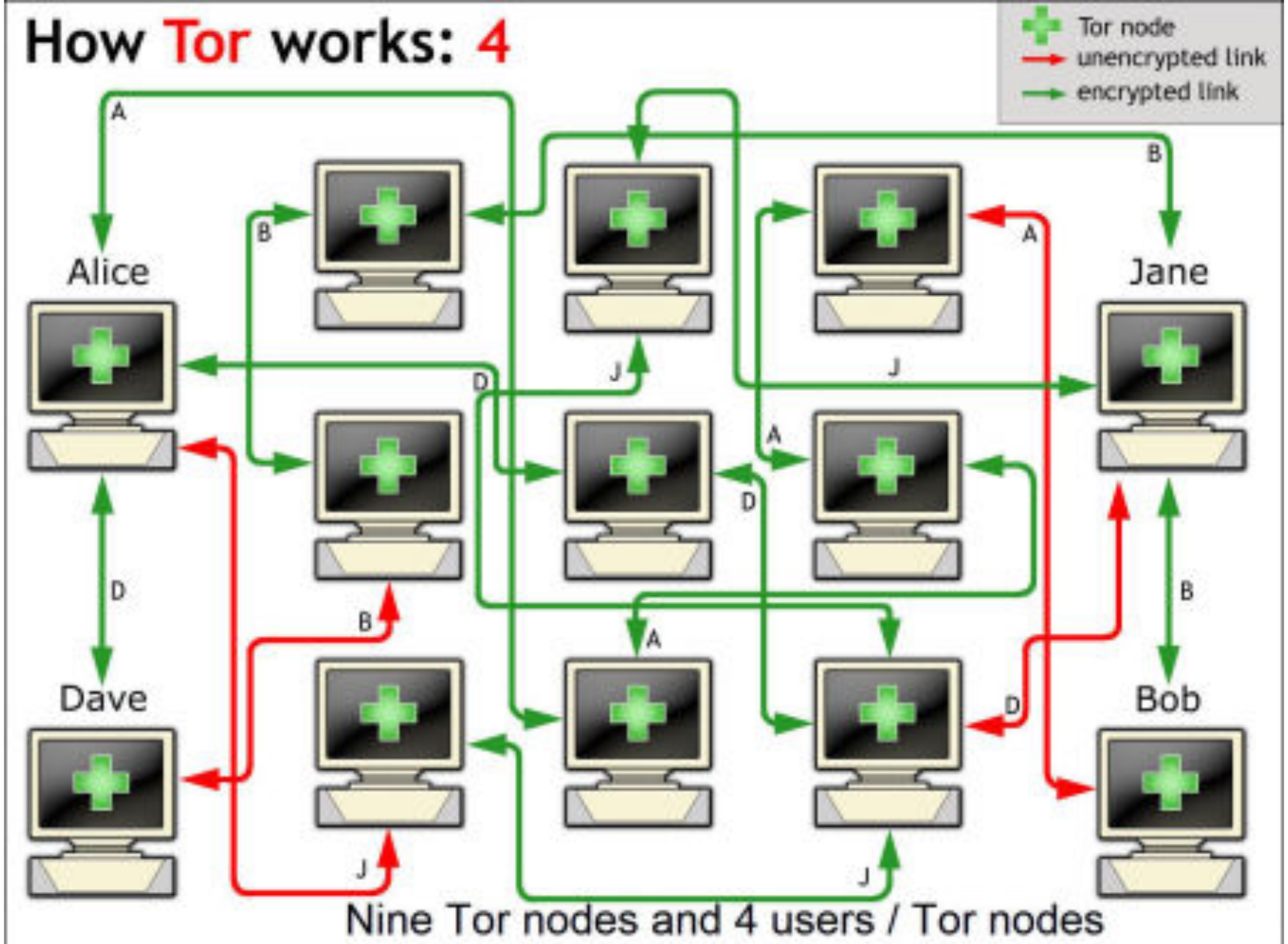

How Tor Works: 1
Tor node
unencrypted link
encrypted link
Alice
Step 1: Alice's Tor client obtains a list of Tor nodes from a directory server.
Jane
Dave
Bob


How Tor Works: 2
Tor node
unencrypted link
encrypted link
Alice
Step 2: Alice's Tor client picks a random path to destination server. Green links are encrypted, red links are in the clear.
Jane
Dave
Bob

How Tor Works: 3



How Tor works: 4



A: Alice connects to Bob - B: Bob connects to Dave

J: Jane connects to Alice - D: Dave connects to Jane

Slooooooow...

Tor
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The Inside Story of the World's Most Wanted Man

LUKE HARDING

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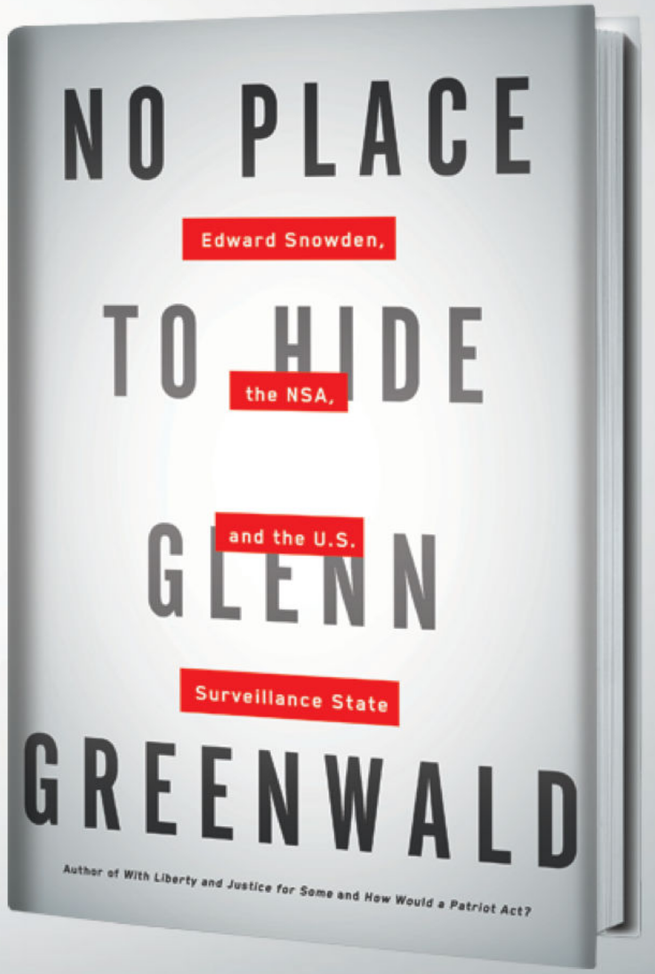
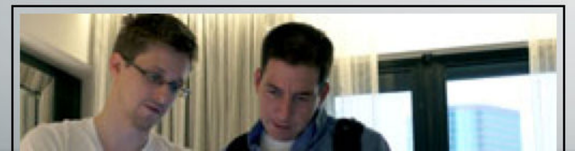
Edward Snowden, the NSA, and the U.S. Surveillance State



In May 2013, Glenn Greenwald set out for Hong Kong to meet an anonymous source who claimed to have astonishing evidence of pervasive government spying and insisted on communicating only through heavily encrypted channels. That source turned out to be the 29-year-old NSA contractor Edward Snowden, and his revelations about the agency's widespread, systemic overreach proved to be some of the most explosive and consequential news in recent history, triggering a fierce debate over national security and information privacy. As the arguments rage on and the government considers various proposals for reform, it is clear that we have yet to see the full impact of Snowden's disclosures.



Now for the first time, Greenwald fits all the pieces together, recounting his high-intensity eleven-day trip to Hong Kong, examining the broader

GLENN GREENWALD

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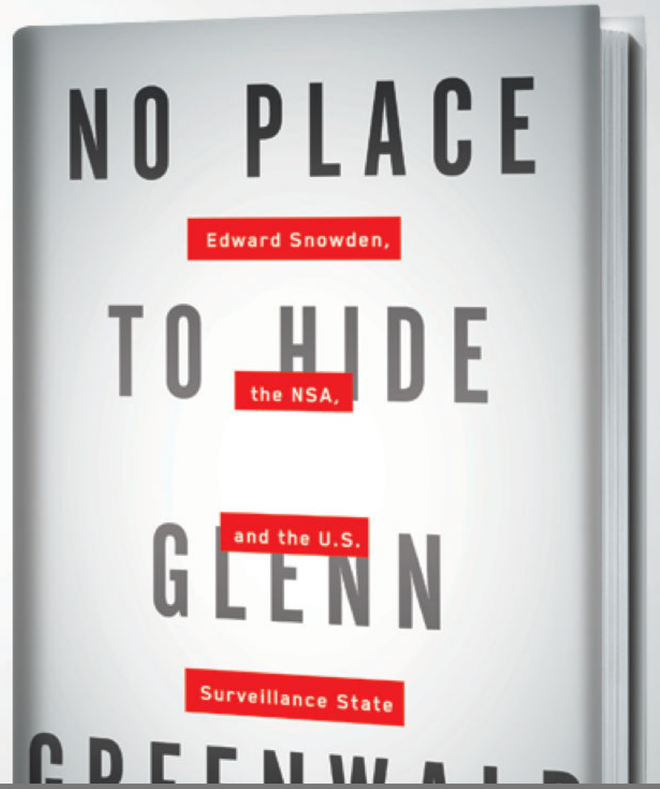

Edward Snowden, the NSA, and the U.S. Surveillance State

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EFF is leading the fight against the NSA's illegal mass surveillance program. Learn more about what the program is, how it works, and what you can do.

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Opt out of global data surveillance programs like PRISM, XKeyscore and Tempora.

Help make mass surveillance of entire populations uneconomical! We all have a right to privacy, which you can exercise today by encrypting your communications and ending your reliance on proprietary services.

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prism-break.org/en/

Objections

“It’s just metadata!”

“Metadata absolutely tells you everything about somebody’s life. If you have enough metadata you don’t really need content… [It’s] sort of embarrassing how predictable we are as human beings.” —Stewart Baker, former general counsel of the NSA

Google – Web History

https history.google.com/history/lookup?hl=en&authuser=0

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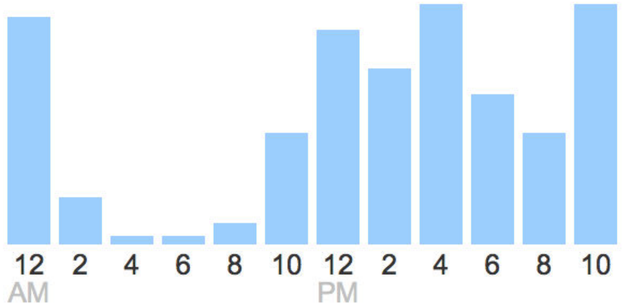
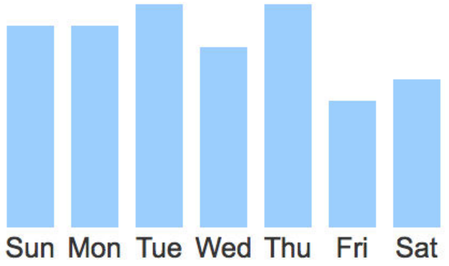
Hourly search activity



Daily search activity



Web Activity

Jan 2014 < >

S	M	T	W	T	F	S
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

1 - 20 21 - 35 36 - 75 76+

Total Google searches: 12981

Show more trends >>

Remove items

Older >

Today

Searched for skyrim whiterun map 4:57pm

Searched for 10w charger iPad 3:08pm

Searched for ghostery cookies 11:03am

Today

Searched for skyrim whiterun map	4:57pm
Searched for 10w charger iPad	3:08pm
Searched for ghostery cookies	11:03am
http://en.m.wikipedia.org/wiki/Ghostery	11:04am
Searched for gissing church	8:18am

Yesterday

Searched for reunion review	9:53pm
Searched for reunion for iPad syncing	9:44pm
Searched for home inventory mac	4:39pm
Searched for sites that use authy	3:16pm
Here's Everywhere You Should Enable Two-Facto... - lifehacker.com	3:17pm
Searched for sites that work with authy	3:16pm
Use Google Authenticator to securely... - techrepublic.com	3:07pm
Authy - authy.com	3:09pm
Setting up Two-Factor Authentication... - hanselman.com	3:12pm
WordPress › Two Factor Auth « WordPress Plugins - wordpress.org	3:12pm
Searched for authy twitter	3:06pm
Thoughts on Twitter's new Two-Factor... - authy.com	3:04pm

Searched for w3 spec for html 4.01 9:44am

Searched for w3 spec for html5 9:42am

Searched for chernobyl elephants foot 8:38am

Chernobyl's Hot Mess, “the Elephant's... - nautil.us 8:38am

Jan 26, 2014

Searched for css named colors 10:50pm

Searched for keynote 6 text placeholder tag 9:55pm

Searched for css text columns flow 9:49pm

Searched for price of marijuana in colorado 7:37pm

Colorado's Legal Weed Dealers or Its... - slate.com 7:37pm

http://m.huffpost.com/us/entry/4550666/ 7:38pm

High Demand: Price of legal marijuana... - nbcnews.com 7:40pm

Searched for cait 11:07am

Searched for skyrim whiterun map 2:03am

Searched for skyrim buy sell whiterun 2:03am

Searched for skyrim nettlebane 1:30am

Nettlebane - The Elder Scrolls Wiki - wikia.com 1:30am

Searched for saarthal amulet trap 12:23am

Under Saarthal - The Elder Scrolls Wiki - wikia.com 12:23am

What Revealing Search Data Reveals

AOL posted, but later removed, a list of the Web search inquiries of 658,000 unnamed users on a new Web site for academic researchers. An interview with one of those unnamed users, Thelma Arnold, combined with her data reveal what she was searching for, why and on which Web sites.

A sample of Thelma Arnold's search data released by AOL

4417749	**swing sets**	**2006-04-24**	**15:39:30**	**4**	**http://www.byoswingset.com**
4417749	**swing sets**	**2006-04-24**	**15:39:30**	**9**	**http://www.buychoice.com**
4417749	**swing sets**	**2006-04-24**	**15:39:30**	**10**	**http://www.creativeplaythings.com**
4417749	**swing sets**	**2006-04-24**	**15:39:30**	**5**	**http://www.childlife.com**
4417749	**swing sets**	**2006-04-24**	**15:39:30**	**6**	**http://www.planitplay.com**
4417749	that do not shed	2006-04-28	9:05:54	2	http://www.gopetsamerica.com
4417749	dog who urinate on everything	2006-04-28	13:24:07	6	http://www.dogdaysusa.com
4417749	walmart	2006-04-28	14:07:32	1	http://www.walmart.com
4417749	**womens underwear**	**2006-04-28**	**14:12:28**	**10**	**http://www.bizrate.com**
4417749	jcpenny	2006-04-28	14:16:05		
4417749	jcpenny	2006-04-28	14:16:49	1	http://www.jcpenney.com
4417749	tortus and turtles	2006-04-29	13:12:47		
4417749	manchester terrier	2006-05-02	9:05:31	1	http://www.manchesterterrier.com
4417749	delta	2006-05-02	11:49:26		
4417749	fingers going numb	2006-05-02	17:35:47		
4417749	**dances by laura**	**2006-05-02**	**17:59:32**		
4417749	**dances by lori**	**2006-05-02**	**17:59:57**		
4417749	**single dances**	**2006-05-02**	**18:00:18**	**1**	**http://solosingles.com**
4417749	**single dances in atlanta**	**2006-05-02**	**18:01:13**		
4417749	**single dances in atlanta**	**2006-05-02**	**18:01:50**		
4417749	dry mouth	2006-05-06	16:49:14	2	http://www.mayoclinic.com
4417749	dry mouth	2006-05-06	16:49:14	8	http://www.wrongdiagnosis.com
4417749	tyroid	2006-05-06	16:55:34		
4417749	thyroid	2006-05-06	16:55:44		
4417749	**competitive market analysis of homes in lilburn**	**2006-05-14**	**12:14:52**		
4417749	**competitive market analysis of homes in lilburn**	**2006-05-14**	**12:16:17**		
4417749	**competitive market analysis of homes in lilburn**	**2006-05-14**	**12:16:43**		

Why the search

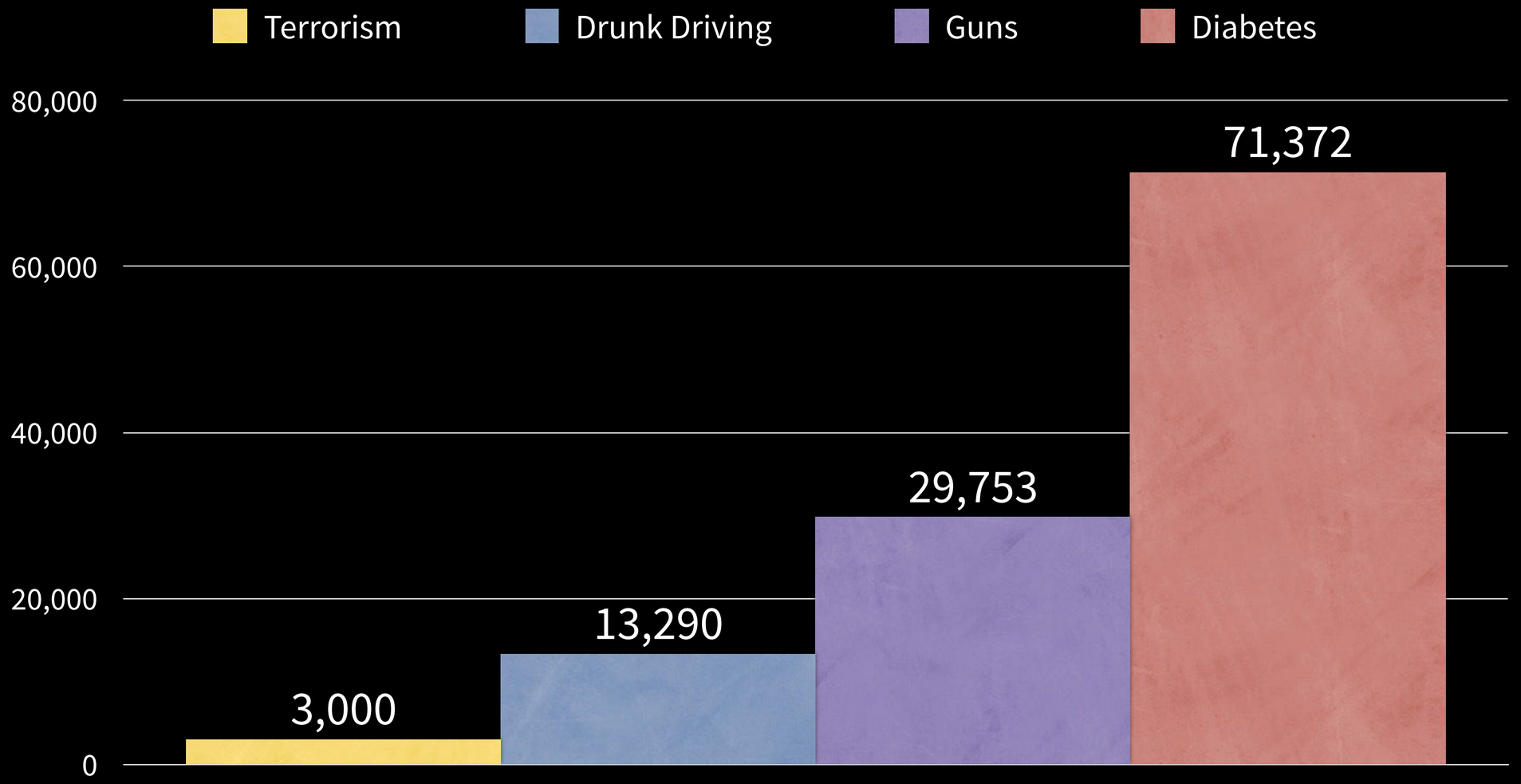
"I was thinking about my grandchildren"

"I was looking for some."

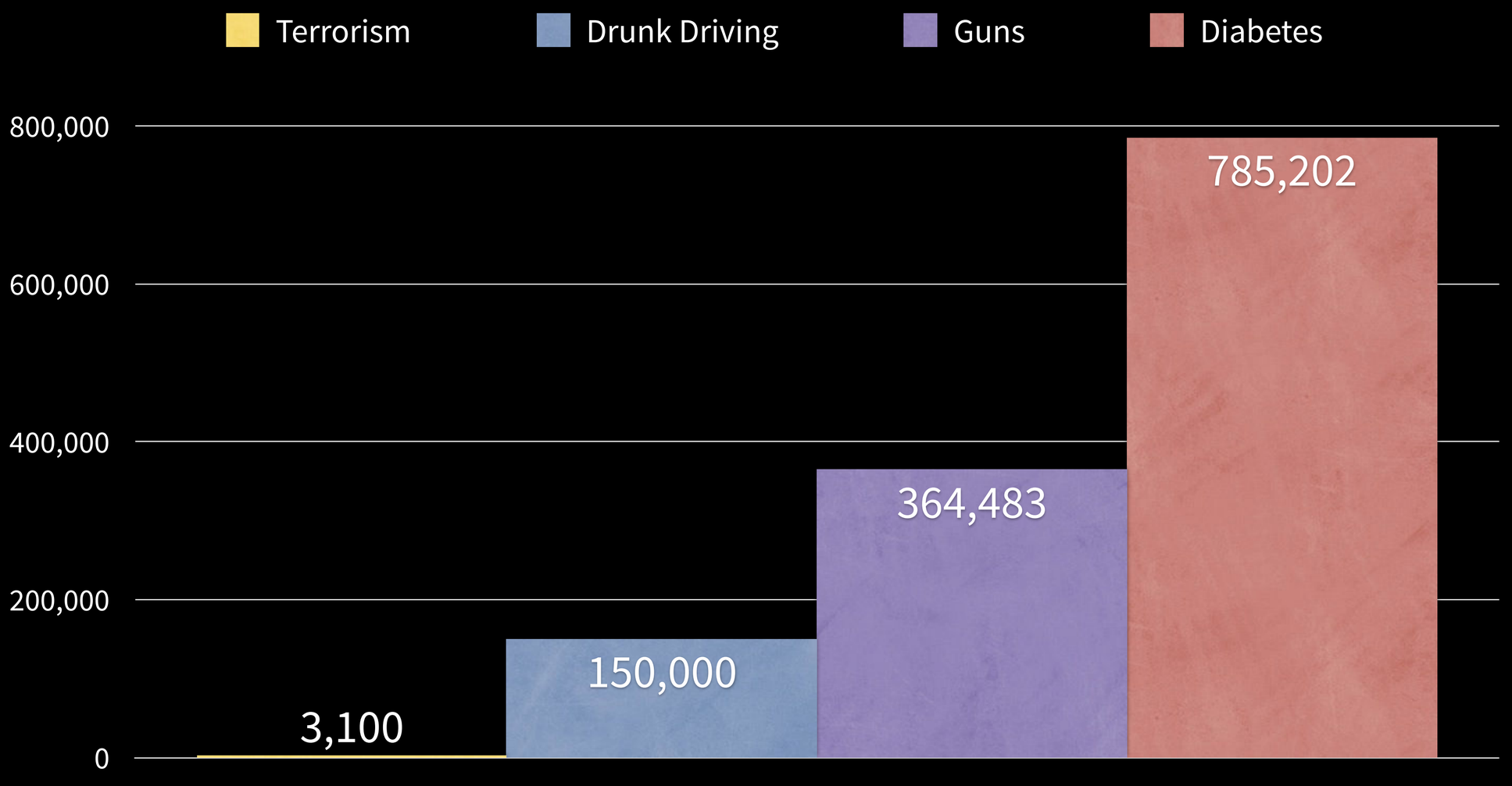
"A woman was in the [public] bathroom crying. She was going though a divorce. I thought there was a place called 'Dances by Lori,' for singles."

"I wanted to find out what my house was worth."

If metadata isn’t valuable, then why is it collected?



U.S. Deaths 2001

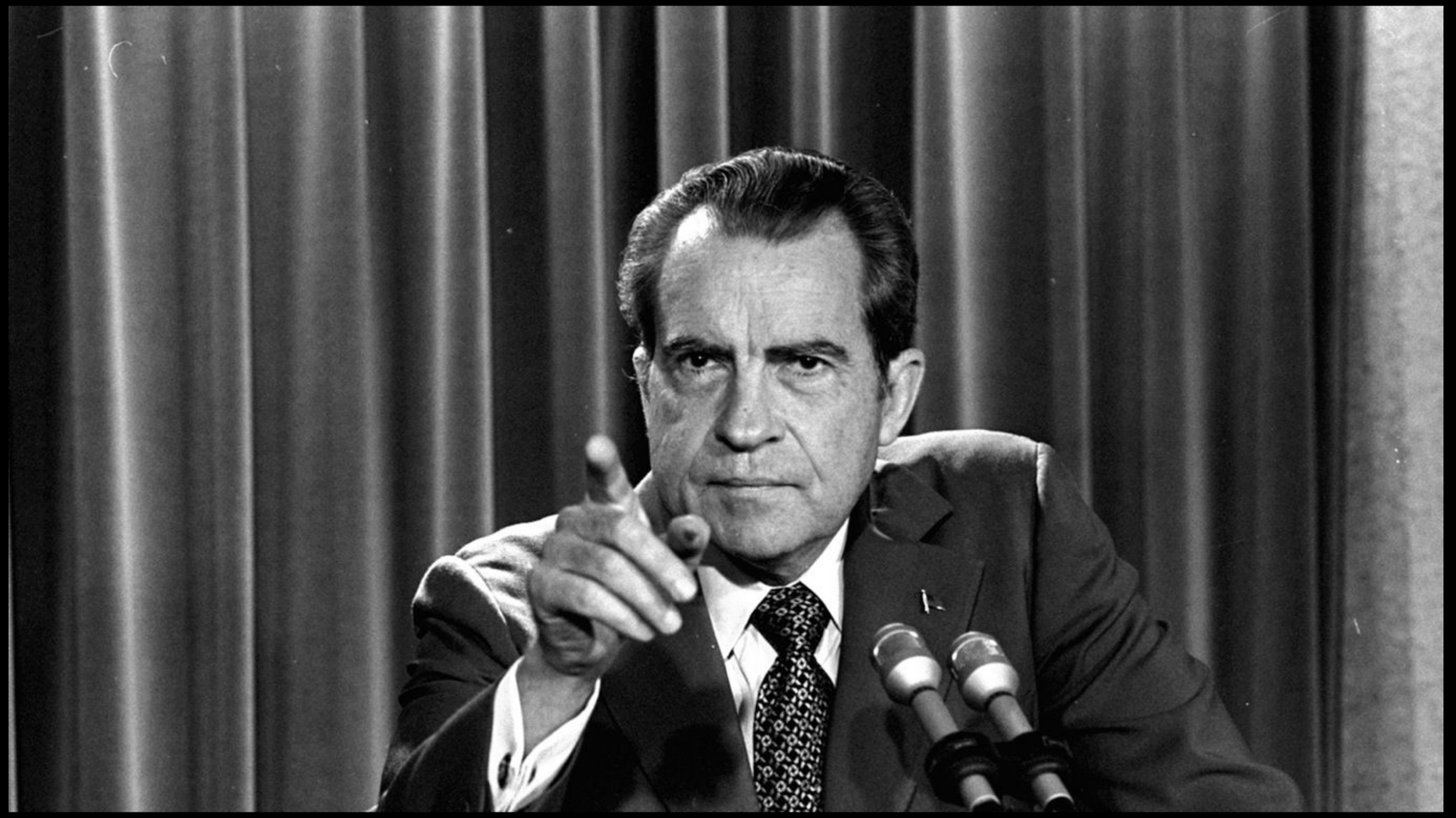


U.S. Deaths 1999–2010

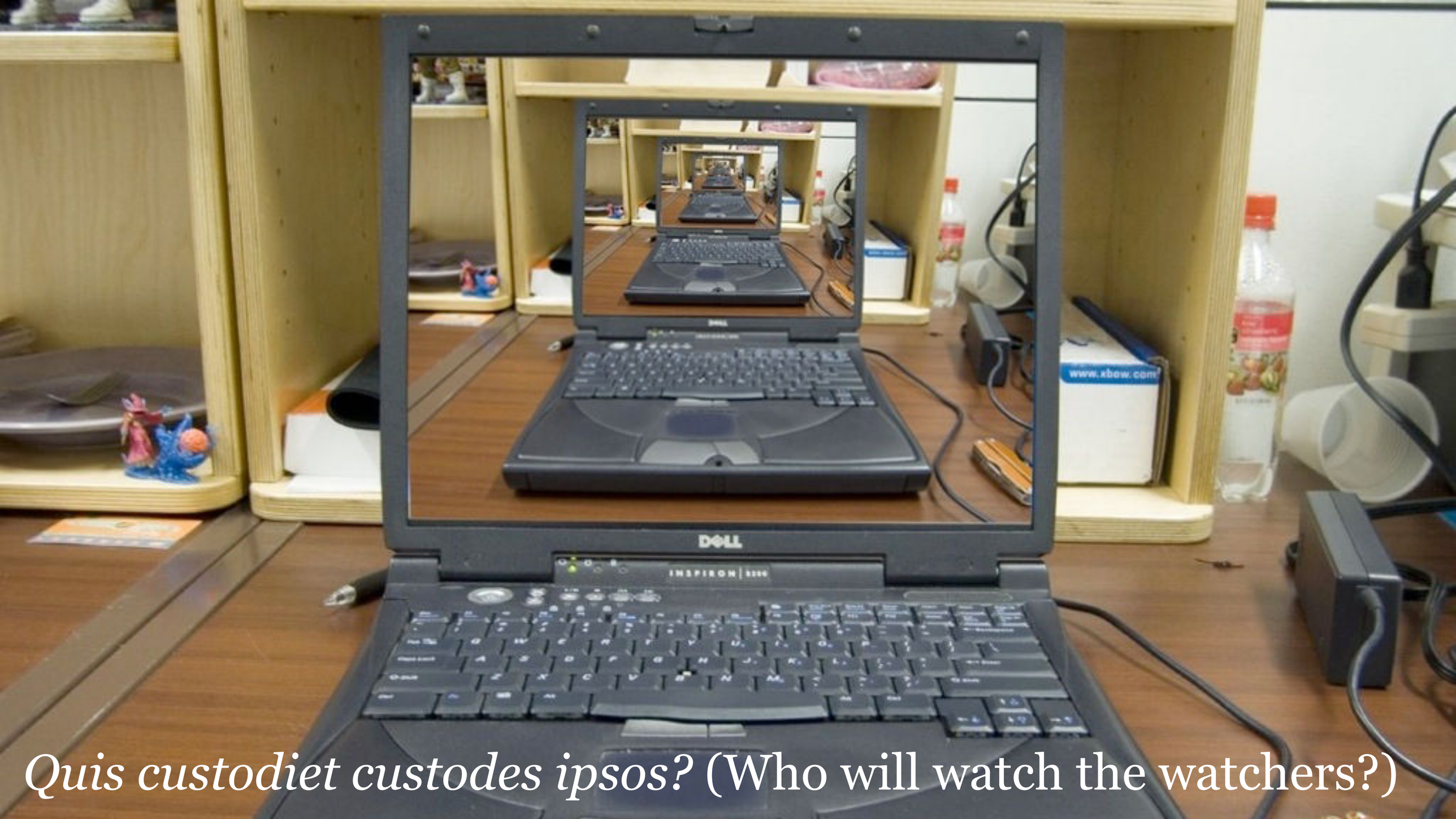
“If you’re not doing anything wrong, then you shouldn’t mind if the government watches you.”

It’s not how you view yourself, but how the government views *you*

It decides if you are a threat; *you* don’t

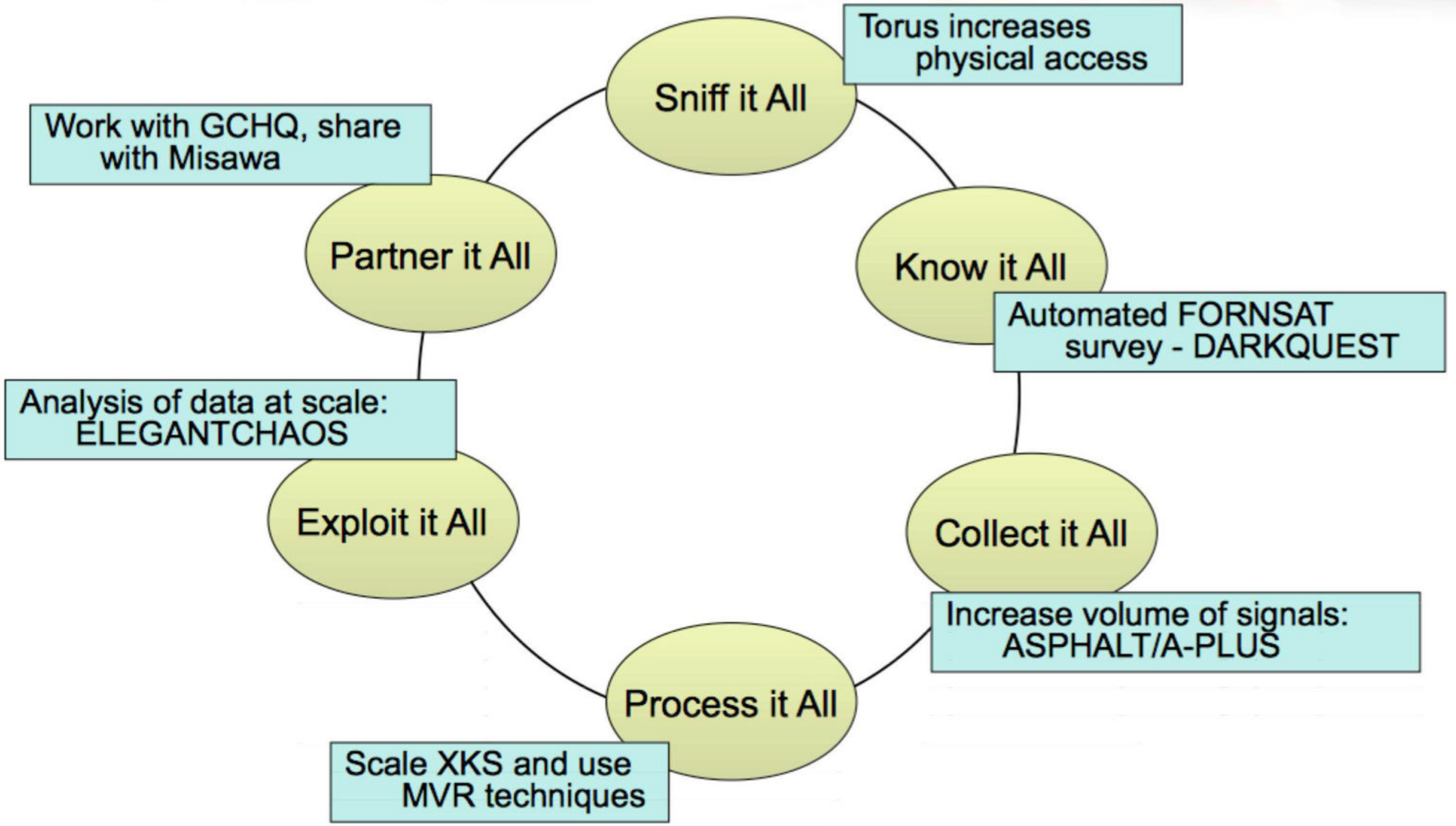


Power corrupts, & absolute power corrupts absolutely



Quis custodiet custodes ipsos? (Who will watch the watchers?)

New Collection Posture



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New Collection Posture

“Collect it All”

“Exploit it All”

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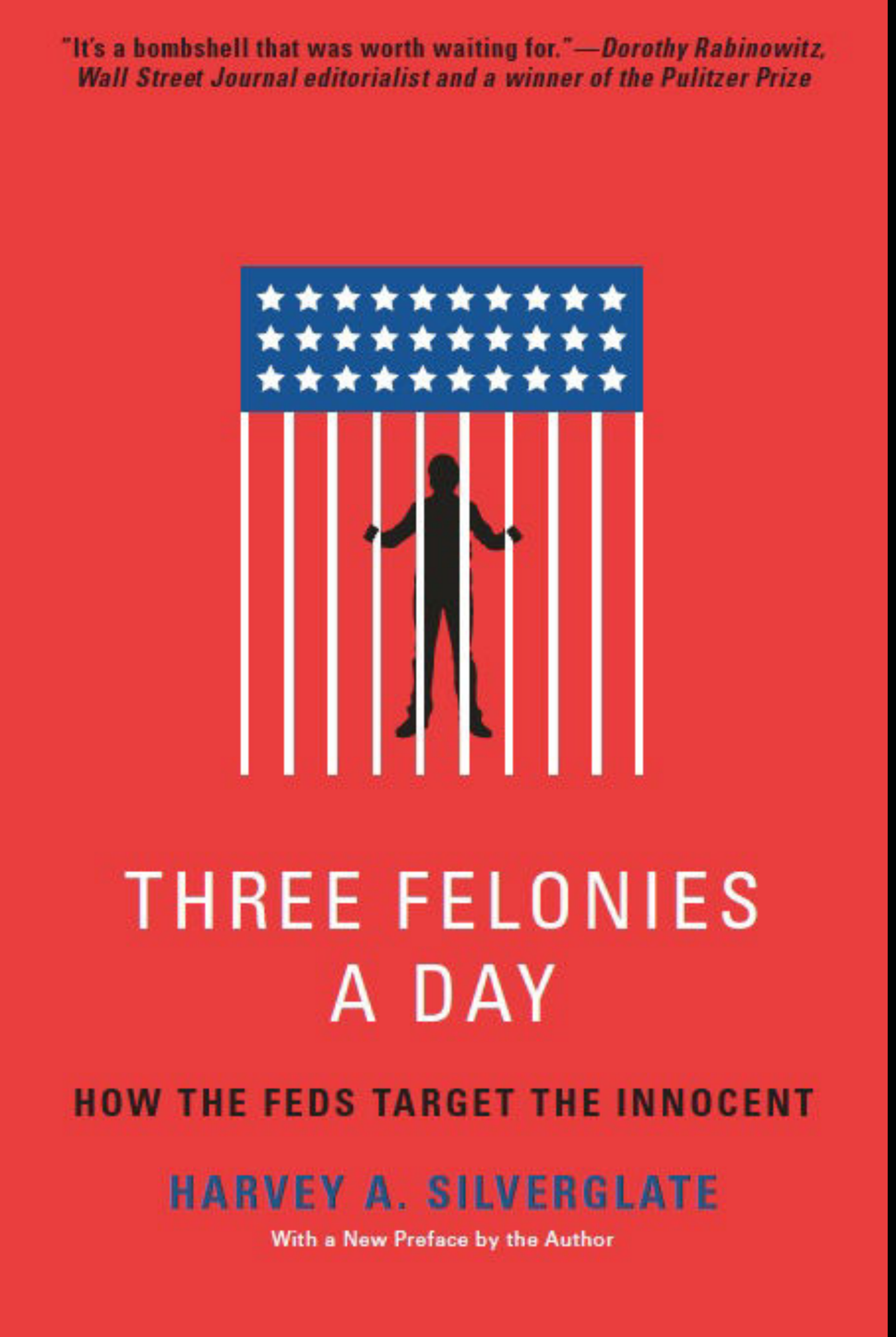
Forever is a long time

“If one would give me six lines written by the hand of the most honest man, I would find something in them to have him hanged.”

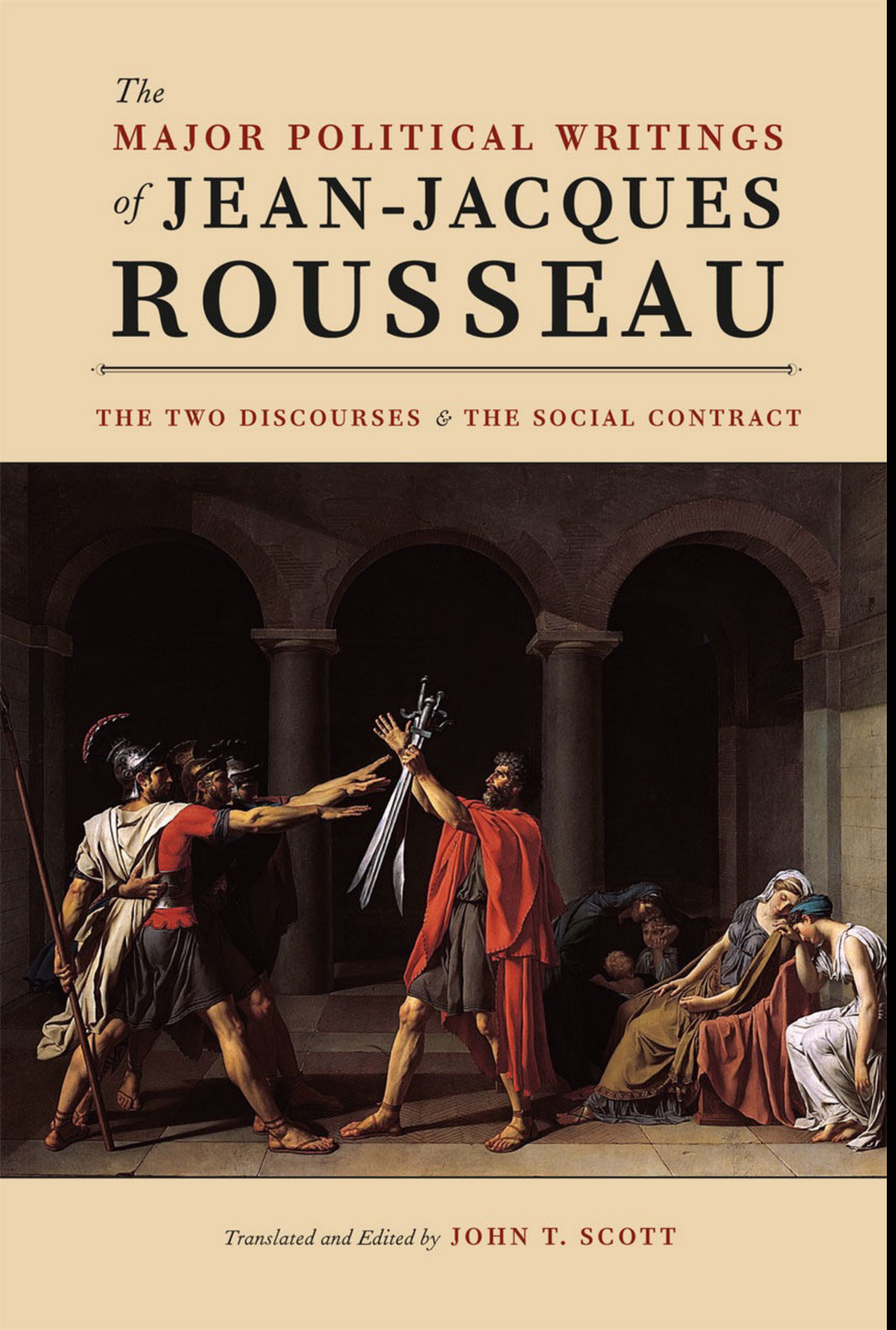
Cardinal Richelieu



"[C]itizens who believe they are law-abiding may, in the eyes of federal prosecutors, be committing three felonies each day…"

I can’t in good conscience allow the US government to destroy privacy, Internet freedom and basic liberties for people around the world with this massive surveillance machine they’re secretly building.

Edward Snowden, June 9, 2013



Malo periculosam libertatem quam quietum servitium (I prefer liberty with danger to peace with servitude)

Thank you!

scott@granneman.com
www.granneman.com
ChainsawOnATireSwing.com
@scottgranneman

denise@deniselieberman.com
advancementproject.com

What THEY Know, What YOU Don't:

Snowden, Surveillance, & Privacy

Missouri Scholars Academy

R. Scott Granneman
Denise Lieberman

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1.3

Changelog

2015-06-16 1.3: Added intro slides re: Notes & Granneman.com
2015-06-14 1.2: Changed theme to Georgia Pro; small fixes; added slide for Snowden Revelations; added several more quick Snowden revelations; added MLK to history; hid GnuPG section; un-hid Firesheep; added slide that there's no way to detect packet sniffing
2014-06-15 1.1: Moved old presentation over to new format

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Questions? Email scott@granneman.com