In The Wake of Ashley Madison

information security lessons (hopefully) learned

Jim Salter

Mercenary Sysadmin, Small Business Owner



Today's slides can be found at:

http://openoid.net/presentations/

The promise of Ashley Madison

Members Login ▼





As seen on: Hannity, Howard Stern, TIME, BusinessWeek, Sports Illustrated, Maxim, USA Today Ashley Madison is the world's leading married dating service for discreet encounters







SSL Secure Site

The reality of Ashley Madison

Members Login ▼





As seen on: Hannity, Howard Stern, TIME, BusinessWeek, Sports Illustrated, Maxim, USA Today Ashley Madison is the world's leading married dating service for discreet encounters







SSL Secure Site

This talk is not about ethics in adultery.

(or in video game journalism)



I will never knowingly "out" anyone.



How'd I get involved?



Ashley Madison hack reminder that data is never 100 percent secure

Posted: Aug 21, 2015 9:33 PM EDT Updated: Aug 31, 2015 9:33 PM EDT

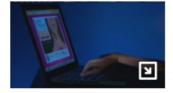
By Jack Kuenzie CONNECT











COLUMBIA, SC (WIS) - This week's release of data collected by the Canadian company catering to cheaters is another reminder for all of us who put our personal information online.

That reminder is you will never be 100 percent safe.

For Ashley Madison's 39 million users, privacy was paramount.

And the company apparently convinced many, if not most, their interests and most sensitive personal information would be safe.

"I just want to know very simply, is my data secure?" said IT expert Jim Salter. "Do I ever have to worry about this? The answer is no, it is not secure. Yes, you need to worry about it."

What are the SC towns and cities with the most paid activity on Ashley Madison?

Posted: Aug 27, 2015 11:39 AM EDT

By Jeremy Turnage CONNECT

WIS and a local cybersecurity analyst broke down the alleged data from the massive hack on Ashley Madison, the website that facilitates cheating for wayward spouses.



SC / GA citizens spent > \$9.96M on Ashley Madison, 2008-2015.

US top spender: >\$130K

GA top spender: > \$30K

SC top spender: > \$11K

1,127 SC/GA citizens spent >= \$1K!



13,038 SC / 30,647 GA citizens spent money on Ashley Madison.

That's about 3 out of every thousand people in either state.



About 92.5% of them were men.

That's about 5.1 out of every thousand men in SC or GA.



About 75% of them were men age 25-55.

That's about 1.1 out of every hundred men in SC or GA, age 25-55.



It's worse in cities.

%males 25-55 paid, SC/GA cities >80k pop:

(city population data taken from http://www.suburbanstats.org)

Roswell GA: 3.3%

Atlanta GA: 2.4%

Columbia SC: 2.2%

Charleston SC: 1.8%

Augusta GA: 1.8%

Athens GA: 0.8%

N. Charleston SC: 0.5%



"Bedroom" communities?

%males 25-55 paid, SC/GA towns >10k pop:

(city population data taken from http://www.suburbanstats.org)

Buford GA: 14.8%

Suwanee GA: 13.4%

Marietta GA: 11.5%

Lawrenceville GA: 11.5%

Fort Mill SC: 10.2%

Woodstock GA: 10.0%

Acworth GA: 9.8%

Loganvilla GA: 9.7%

Alpharetta GA: 9.7%

Canton GA: 8.9%



I am NOT making this up.

File under "hilarious anomaly".
This would imply 62.3% of males 25-55...

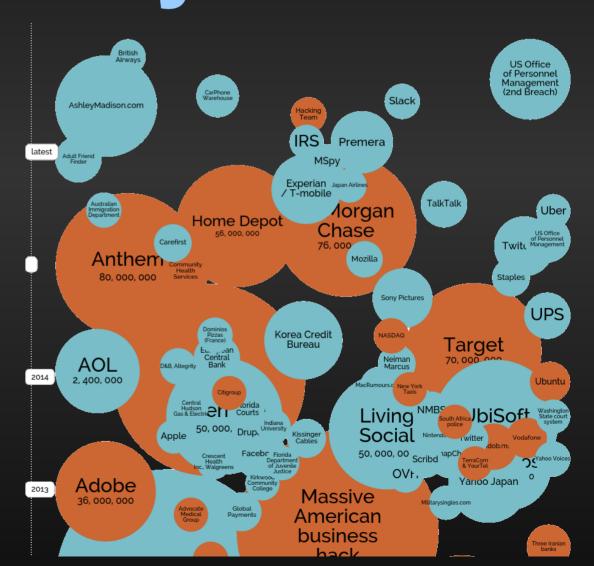
me@locutus:~/amdumps/work\$ perl bypop.pl CUMMING

PERCAP, CITY, MEMBERS, POPULATION 17.3%, CUMMING, 938, 5430



Every network will eventually fall.

SONY, Apple, AOL, Target, Gawker, IRS, SC DoR, Twitter...



What made the Ashley Madison breach special?

RISK.



Speaking of "risk": let's talk about netblocks.

Army Research Office

NetRange: 132.193.0.0 - 132.193.255.255

CIDR: 132.193.0.0/16

NetName: ARO-NET

NetHandle: NET-132-193-0-0-1

Parent: NET132 (NET-132-0-0-0)

NetType: Direct Assignment



Today's vocabulary word:

pivot



In a nutshell:

all sites will fall

think about exposure

where can the attacker go *next?*



Questions? Comments?

Angry denunciations?

