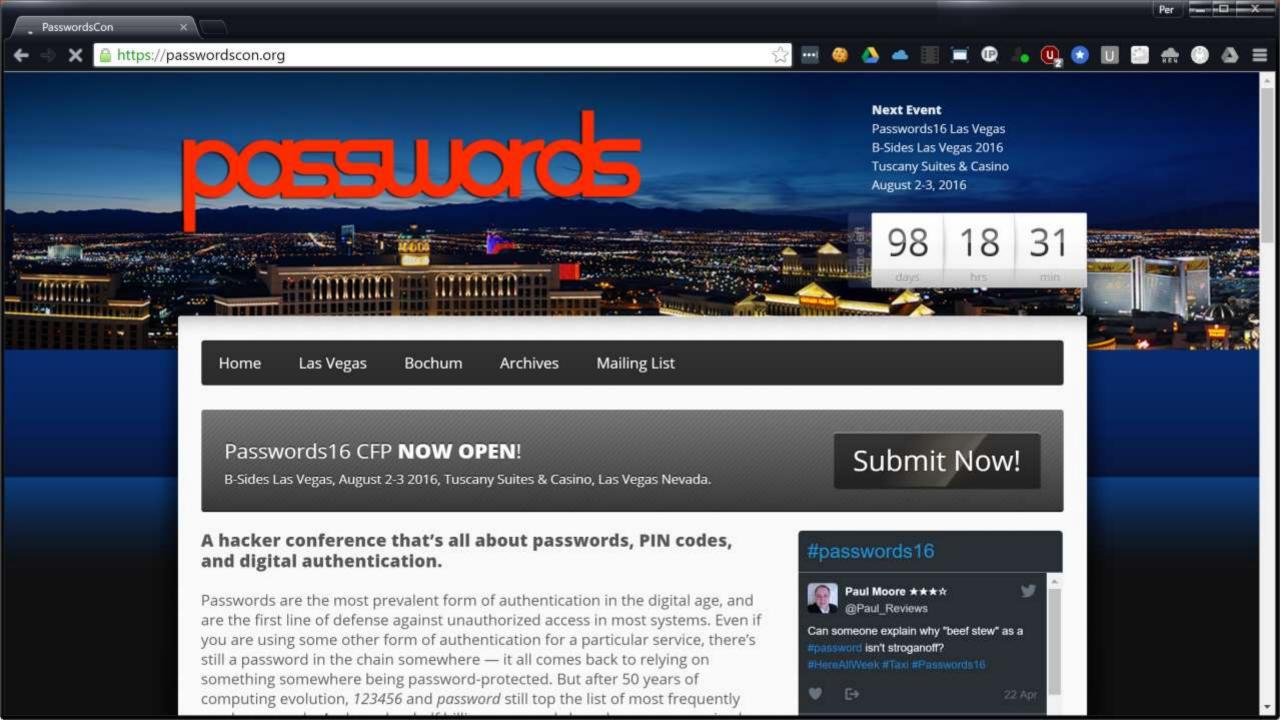
Passwords. and related topics.

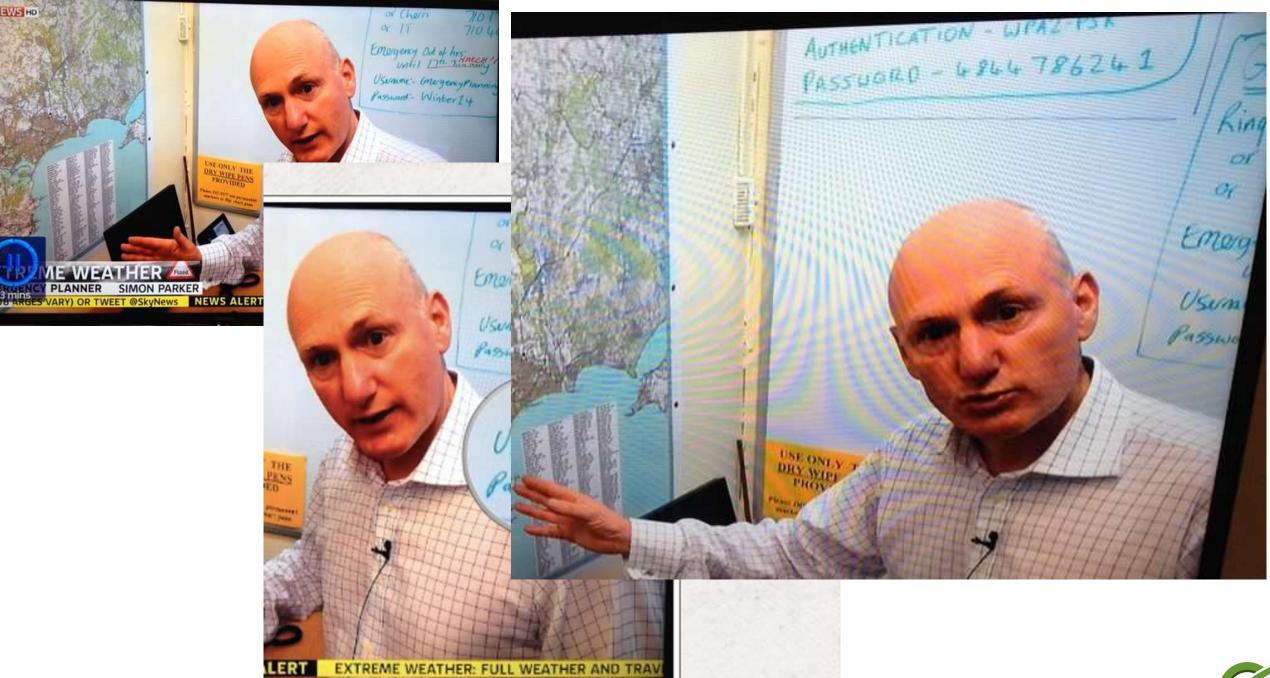
Per Thorsheim

Twitter: @thorsheim

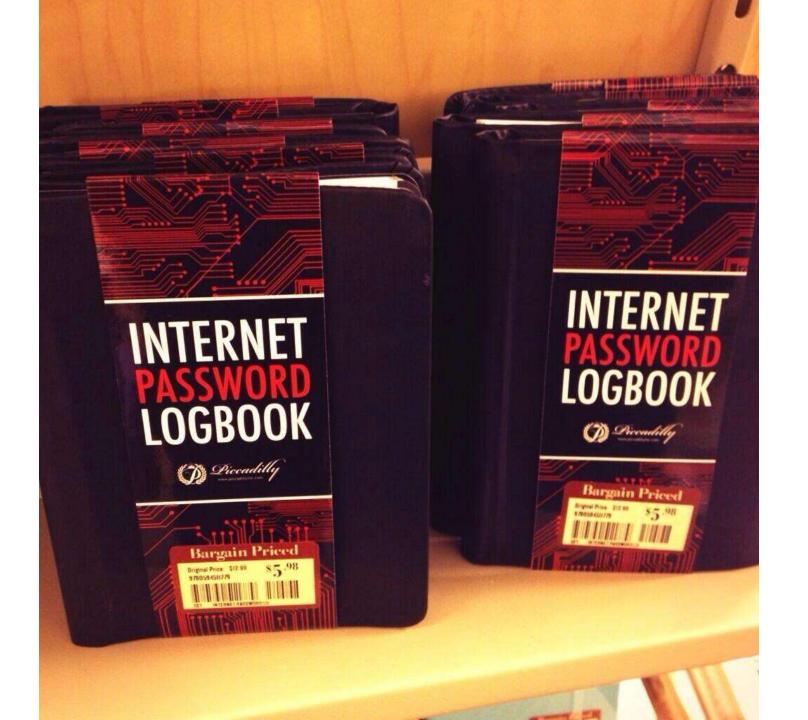














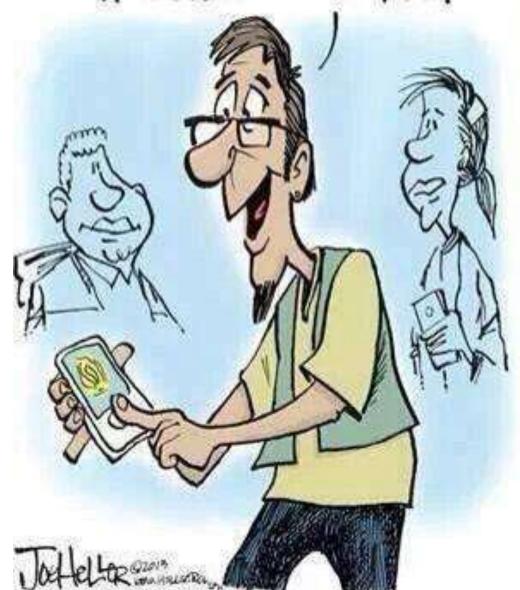
Password alternatives

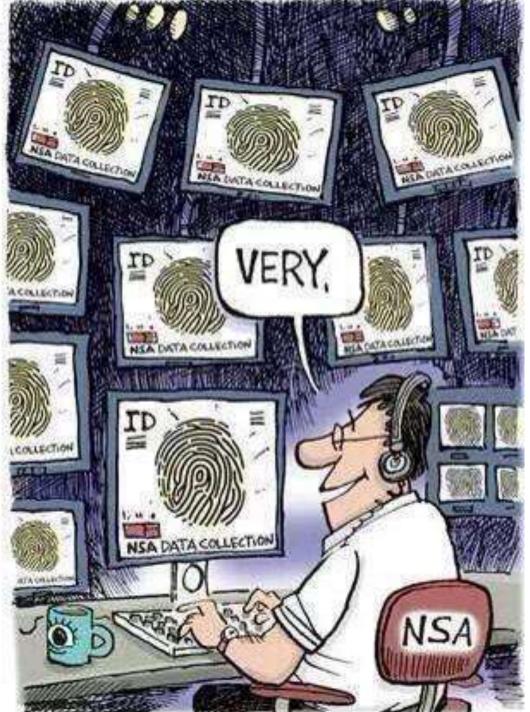




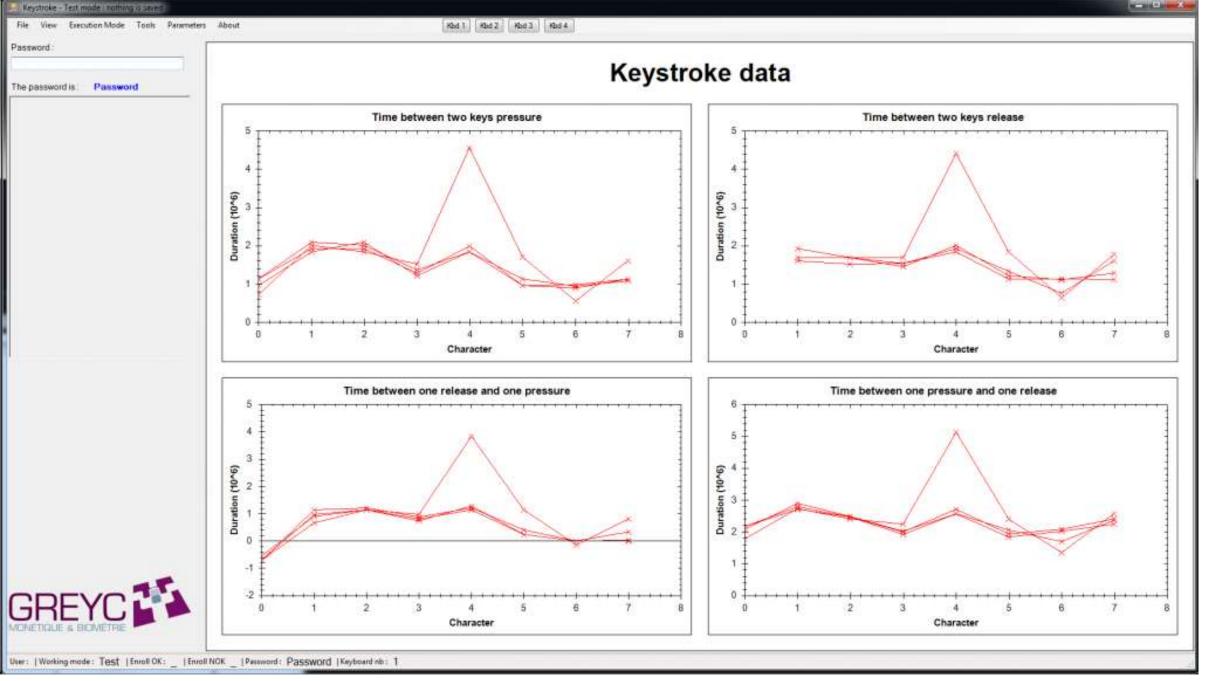


INSTEAD OF PASSWORDS, MY NEW PHONE RECOGNIZES MY FINGERPRINT!
HOW CONVENIENT IS THAT?





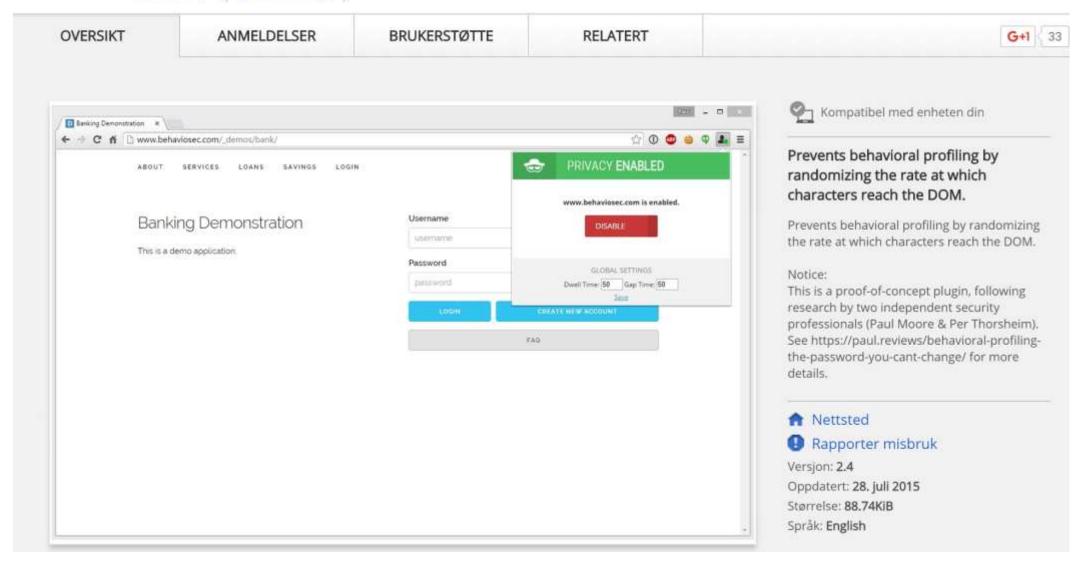








**** (11) Utviklerverktøy 5 115 brukere





PINs

1234



Choose your pins (17yr olds, fall 2013)



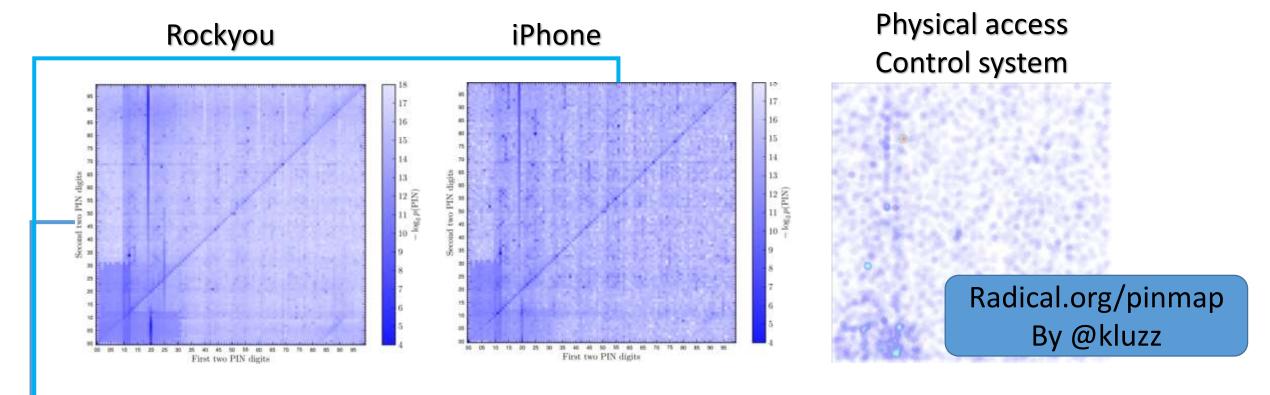
Girls 1996 Boys

1337

1996



Heatmapping PINs @Cambridge



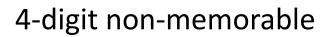
A birthday present every eleven wallets? The security of customer-chosen banking PINs http://www.cl.cam.ac.uk/~jcb82/doc/BPA12-FC-banking_pin_security.pdf http://www.cl.cam.ac.uk/~jcb82/doc/BPA12-FC-banking_pin_security-slides_ss.pdf

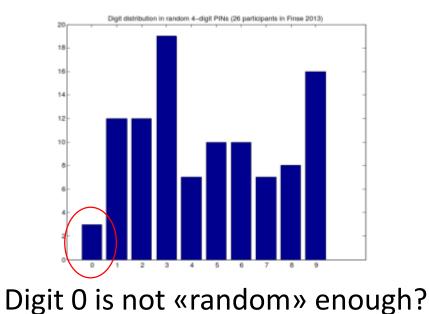
http://danielamitay.com/blog/2011/6/13/most-common-iphone-passcodes See also: http://www.datagenetics.com/blog/september32012/index.html



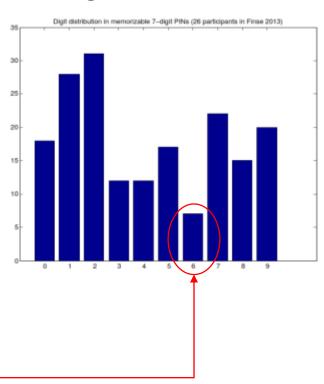
Digit distribution for PINs

4-digit memorable Digit distribution in memorizable 4-digit PINs (26 participants in Finse 2013)





7-digit memorable



Digit 6 is hard to remember?



Creating a long & memorable PIN:





Johansen 56426736

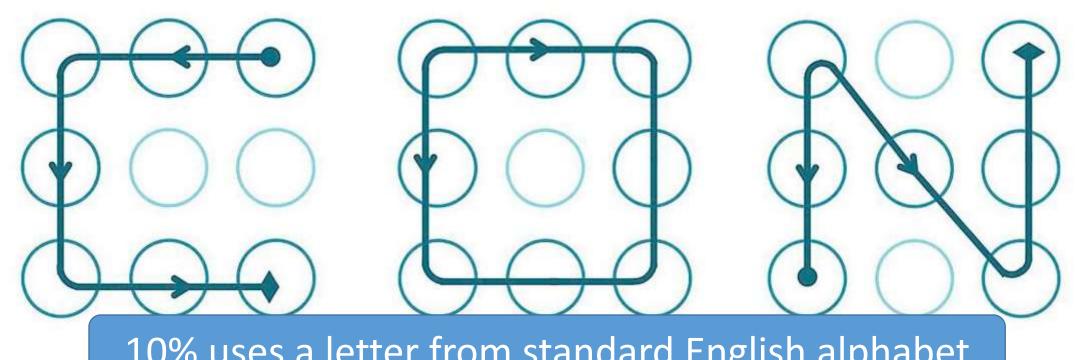




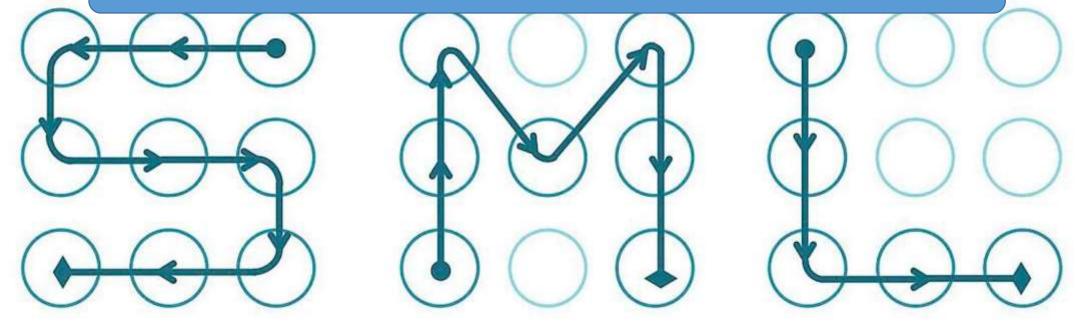
Lock Patterns







10% uses a letter from standard English alphabet



Passwords



Operation «Face Factor»

- Unique opportunity!
- 5000+ headshots
- We knew their password
- Analyze!



Categorization

Facial hair

No Mustache Small beard Full beard «Unix Guru» «Porn donut»



Gender
Glasses (Y/N)
Hair color
Facial hair



Hair color
No ③

«Blond»
Superblond
Brunette
Redhead
«Silver fox»



And the results?

Women prefer length.

Men prefer a wider selection (entropy).

«Unix gurus» have the worst passwords.



Change frequencies

A little test of your password guessing capabilities



Wednesday4 Wednesday10 December 2015 Thorsheim 1009



Complexity



The password you entered is not valid

Please note that the password must respect the following rules:

- It must contain between 7 and 32 characters. Use only characters from the following set: ! # \$ % & () * + , . / 0123456789 : ; < = > ?
 @ ABCDEFGHIJKLMNOPQRSTUVWXYZ [\]_`abcdefghijklmnopqrstuvwxyz {|}~
- It must contain at least 1 lowercase letter(s) (abcdefghijklmnopgrstuvwxyz).
- It must contain at least 1 capital letter(s) (ABCDEFGHIJKLMNOPQRSTUVWXYZ).
- It must contain at least 1 numeric character(s) (0123456789).
- It must not contain more than 2 identical consecutive characters (AAA, iiii, \$\$\$\$\$...).
- It must not contain your user name.
- It must not contain your email address.
- It must not contain your first name.
- It must not contain your last name.



«Your password contains invalid characters.»

NO, your startup contains incompetent engineers.

@harribellthomas



Length



Length Trumps Everything. EOD.



Usability: masking passwords?







Username

One truly amazing passphrase!





Username

One truly amazing passphrase! HIDE



The value of a password





50,187 TWEETS 7,012 FOLLOWING 1,903,328 FOLLOWERS



Tweets All / No replies



The Associated Press @AP

2m

Breaking: Two Explosions in the White House and Barack Obama is injured

Expand









الجيش السوري الالكتروني

SYRIAN ELECTRONIC ARMY



Attacking 2FA/2SV authentication

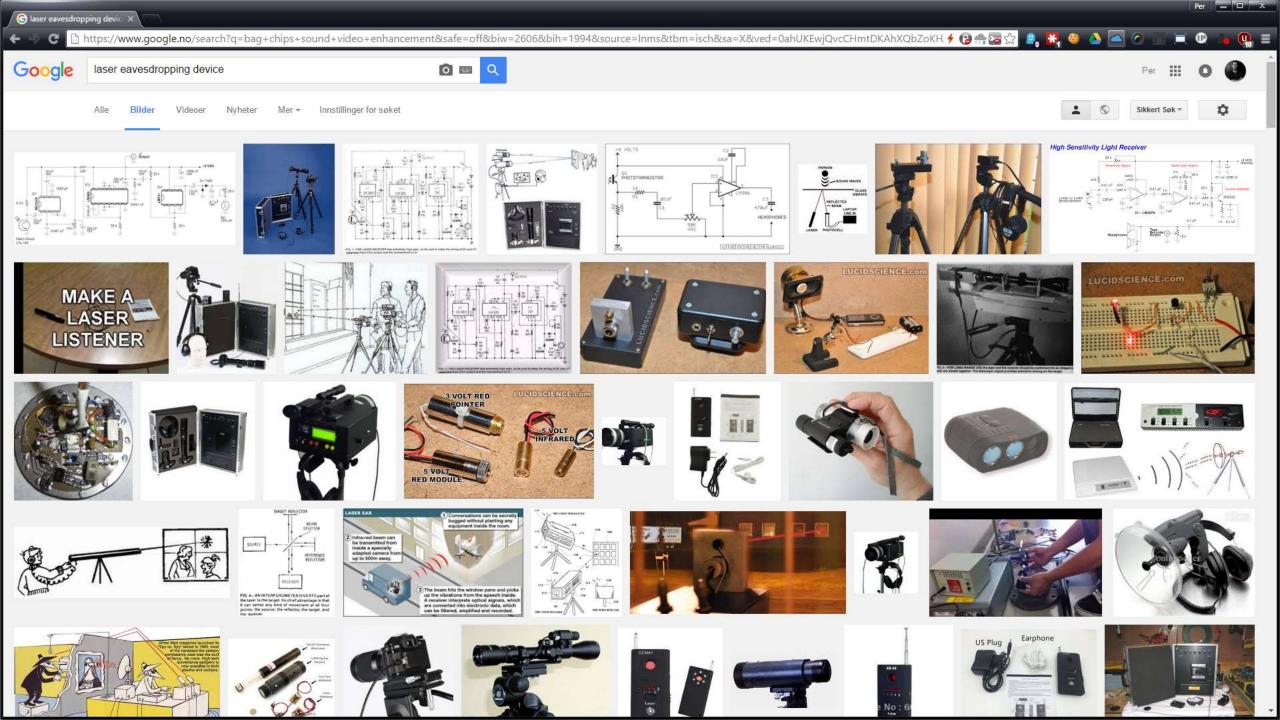
One out of many «sideprojects»





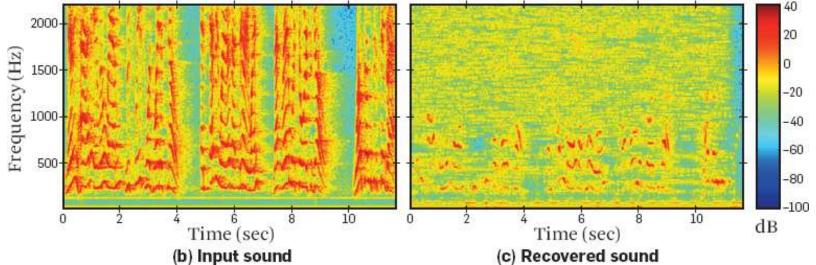
Sci-Fi — or reality?













Real world Consequences



Article 12:

"No one shall be subjected to arbitrary interference with his privacy, family, home or correspondence, nor to attacks upon his honour and reputation. Everyone has the right to the protection of the law against such interference or attacks."

The Universal Declaration of Human Rights,
United Nations



Life is short. Have an affair.®

Get started by telling us your relationship status:

Please Select

See Your Matches »

Over 37,565,000 anonymous members!





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

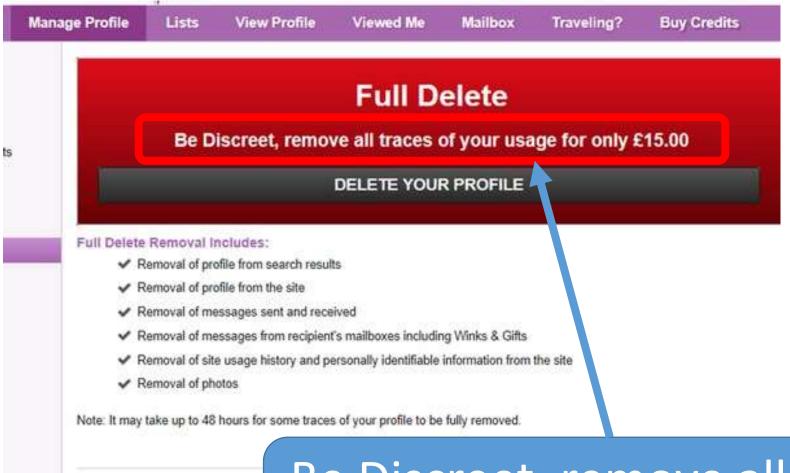






SSL Secure Site





Be Discreet, remove all traces of your usage for only £15.00

























KrebsonSecurity



BLOG ADVERTISING ABOUT THE AUTHOR

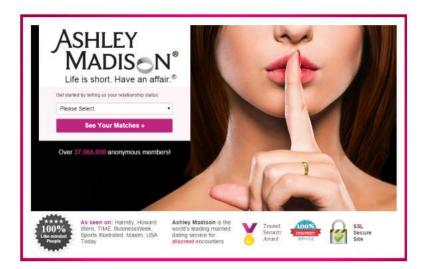
19 Online Cheating Site AshleyMadison Hacked







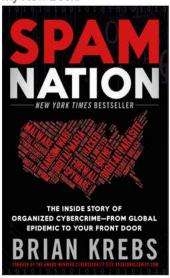
Large caches of data stolen from online cheating site AshleyMadison.com have been posted online by an individual or group that claims to have completely compromised the company's user databases, financial records and other proprietary information. The stillunfolding leak could be quite damaging to some 37 million users of the hookup service, whose slogan is "Life is short. Have an affair."



The data released by the hacker or hackers — which self-identify as The Impact Team includes sensitive internal data stolen from Avid Life Media (ALM), the Toronto-based firm that owns AshleyMadison as well as related hookup sites Cougar Life and Established Men.

Reached by KrebsOnSecurity late Sunday evening, ALM Chief Executive Noel Biderman confirmed the hack, and said the company was "working diligently and feverishly" to take down ALM's intellectual property. Indeed, in the short span of 30 minutes between that brief interview and the publication of this story, several of the Impact Team's

My New Book!



A New York Times Bestseller!



Recent Posts

ATM Skimmer Gang Firebombed Antivirus Firm With Stolen Cards, Fraudsters

Shop to Drop

Banks: Card Breach at Hilton

Hotel Properties

AM AND EM MUST SHUT DOWN IMMEDIATELY PERMANENTLY

We are the Impact Team.

We have taken over all systems in your entire office and production domains, all customer information databases, source code repositories, financial records, emails

Shutting down AM and EM will cost you, but non-compliance will cost you more: We will release all customer records, profiles with all the customers' secret sexual fantasies, nude pictures, and conversations and matching credit card transactions, real names and addresses, and employee documents and emails. Avid Life Media will be liable for fraud and extreme harm to millions of users.

Avid Life Media runs Ashley Madison, the internet's #1 cheating site, for people who are married or in a relationship to have an affair. ALM also runs Established Men, a prostitution/human trafficking website for rich men to pay for sex, as well as cougar life, a dating website for cougars, man crunch, a site for gay dating, swappernet for swingers, and the big and the beautiful, for overweight dating.

Trevor, ALM's CTO once said "Protection of personal information" was his biggest "critical success factors" and "I would hate to see our systems hacked and/or the leak of personal information"

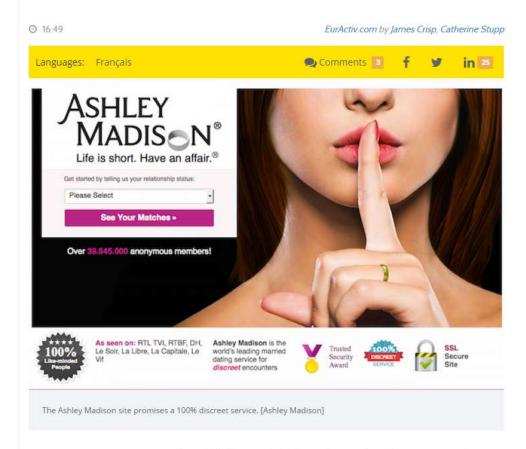
Well Trevor, welcome to your worst fucking nightmare.

We are the Impact Team. We have hacked them completely, taking over their entire office and production domains and thousands of systems, and over the past few years have taken all





EU officials exposed in Ashley Madison hack





EXCLUSIVE: European Union officials used their work email addresses to register with online adultery site Ashley Madison, EurActiv can reveal.



The official Knesset email address of Joint List MK Taleb Abu Aranvas found to have registered for Ashley Madison, a dating website for people who want to cheat on their spouses, when hackers released about 36 million members small addresses.

According to the hack, Abu Arar not only registered for the infidelity site, he confirmed his email address. That exits step is not necessary in order to join Ashley haddson, but the hack includes that 24 million of the email addresses released vere confirmed.

Abu Arar denied having any connection to the website and said he plans to file a complaint to the police.

"Someone signed up with my email address in order to sully my good name," he said, calling for Ashley Madison to reveal the source of the registration.

Knesset email addresses can be accessed by lawmakers and their aides on the Knesset's secure computers, or via an excripted connection from computers outside the Knesset, and with a code on the MKS; and aides' phones.

Unlike the average hacked Ashley Madison user, Abu Arar will have to explain his presence on the infidelity sits to not one wife, but his. The second wife is by a common-law marriage, in order not to break the law against bigamy. Abu Arar, who is Beduin, has a combined 10 children from both of them.

Last month, in an interview with the Knesset Charnel, Abu Asia said Beduin man have multiple wives "when needed," and posited that it is better that he continue being married to his first wife after marrying his second one. I have divorcing the first and making her unhappy.

When asked if having a second wife doesn't make the first wife unhappy. Abu Arar said, "Maybe

"So you're saying she agreed to it?" the interviewer, Nechama Duek asked.

"Not necessarily," he responded, before stating that Jews had polygamy. Duex said that Judaism prohibited polygamy in the 11th century.

"It is known that there are women who are harmed by polygamy, when the man neglects the first wife, but I'm not neglectful," Abu Arar added.

Abu Arar was originally found in the hacker's released list by Den, a blogger for the pro-israel site lareallycool.com, who old not give his last name.

The MK's email address was one of some 50, gov. II addresses that appeared in the database, which included listings from the hospitals and the Health Ministry, courts, the Justice Ministry, the Tel ANY Municipality, and even the Determine Ministry.



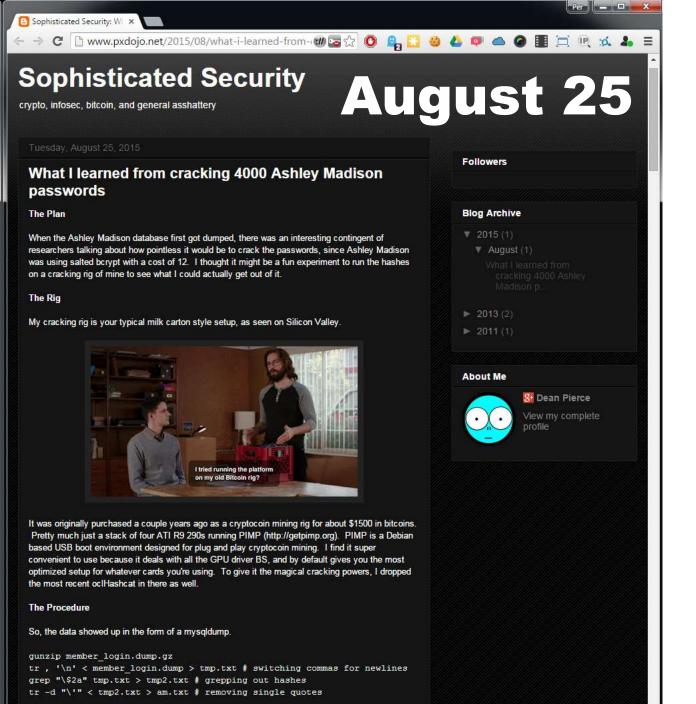
MK Taleb Abu A





Password analysis

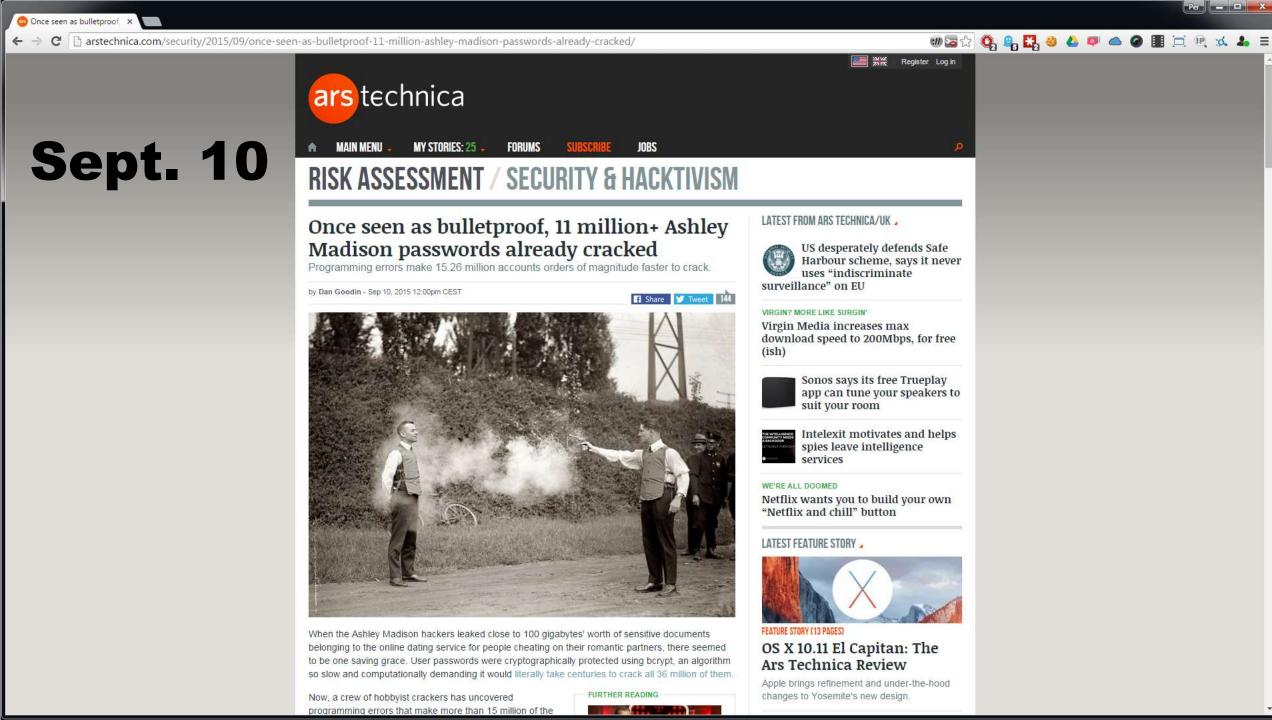


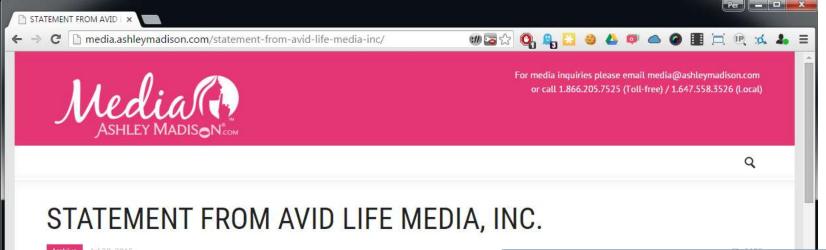


Passwords found

123456	202
password	105
12345	99
qwerty	32
12345678	31
ashley	28
baseball	27
abc123	27
696969	23
111111	21
football	20
fuckyou	20
madison	20
asshole	19
superman	19
fuckme	19
hockey	19
123456789	19
hunter	18
harley	18







Archive Jul 20, 201

We immediately launched a thorough investigation

We were recently made aware of an attempt by an unauthorized party to gain access to our systems. We immediately launched a thorough investigation utilizing <u>leading forensics experts and</u> other security professionals to determine the origin, nature, and scope of this incident.

We apologize

We apologize for this unprovoked ar No company's online assets are safe from cyber-vandalism o company's online assets are safe from cyber-vandalism, with Avid Life Media being only the latest among many companies to have been attacked, despite investing in the latest privacy and security technologies.

Despite investing in the latest privacy and security technologies.

We have always had the confidentiality of our customers' information foremost in our minds, and have had stringent security measures in place, including working with We have always had the confidentiality of our customers' information foremost in our minds

At this time, we have been able to secure our sites, and close the unauthorized access points. We are working with law enforcement agencies, which are investigating this. We have been able to secure our sites, and close the unauthorized access points.

Avid Life Media has the utmost confidence in its business, and with the support of leading experts in IT security, including Joel Eriksson, CTO, Cycura, we will continue to be a leader in the services we provide. "I have worked with leading companies around the world to secure their businesses. I have no doubt, based on the work I and my company are doing, Avid Life Media will continue to be a strong, secure business," Eriksson said.

-30-

Please direct all med

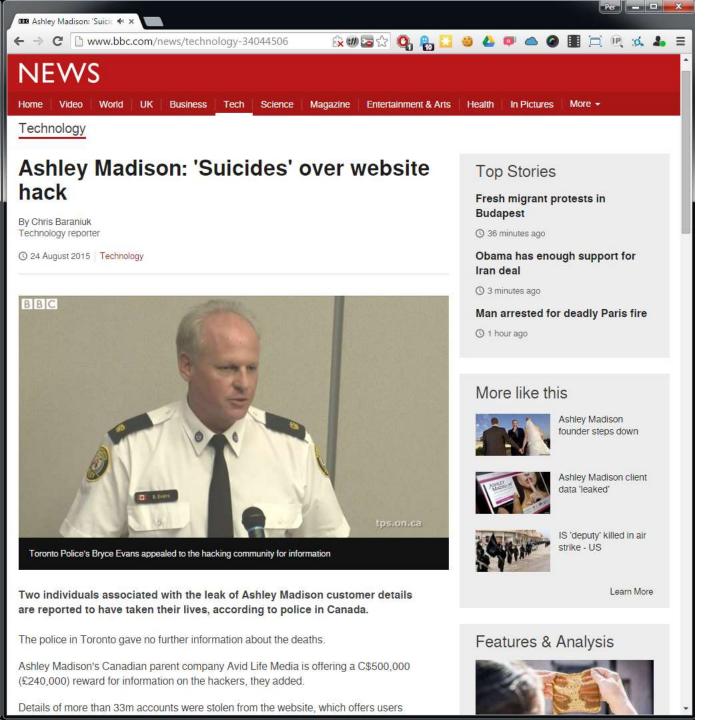


Protip: Configure Google News Alert for this: Your security | privacy is important to us



Suicide





Two individuals associated with the leak of Ashley Madison customer details are reported to have taken their lives, according to police in Canada.

Ashley Madison's Canadian parent company Avid Life Media is offering a C\$500,000 (£240,000) reward for information on the hackers, they added.

Police have set up a Twitter account, @AMCaseTPS, and hashtag, #AMCaseTPS, in a bid to gather information about the hack from members of the public.





Alex Hern

@alexhern

Wednesday 9 September 2015 18.10 BST

Hacked extramarital dating service ran fake accounts but protected i by admitting to it in the terms of service



Front page of Ashley Madison bearing the site slogan 'Life is short. Have an affair' Photograp Shutterstock

The terms of service of hacked extramarital dating service Ashley Madison allow the company to run fake accounts, protecting it from at least some user lawsuits in the wake of its massive data breach in August.

The company had previously denied allegations of a "fembot army", but according to information in the data dump, it actually ran tens of thousands of fake female accounts to send millions of messages to users.

However, in the terms and services of the site, it explicitly warns would-be cheaters that many users of the site subscribe "for purely entertainment

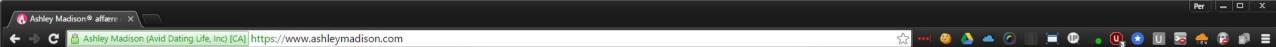
February 2015: Terms and Services @ Ashley Madison:

"The profiles we create are not intended to resemble or mimic any actual persons. We may create several different profiles that we attach to a given picture. You understand and acknowledge that we create these profiles and that these profiles are not based on or associated with any user or Member of our Service or any other real person. You also acknowledge and agree that the descriptions, pictures and information included in such profiles are provided primarily for your amusement and to assist you navigate and learn about our Site. As part of this feature, the profiles may offer, initiate or send winks, private keys, and virtual gifts. Any one of these profiles may message with multiple users at the same or substantially the same times just like our users.

Our profiles message with Guest users, but not with Members. Members interact only with profiles of actual persons. Guests are contacted by our profiles through computer generated messages, including emails and instant messages. These profiles are NOT conspicuously identified as such."







🗲 🌖 🕝 🔓 Ashley Madison (Avid Dating Life, Inc) [CA] https://www.ashleymadison.com

Innlogging for medlemmer -



Registrer deg på Ashley Madison Presse Vanlige spørsmål Blogg Nyheter om utroskap Vilkår Personvern Kontakt oss

Følg Ashley Madison på Twitter

Sted: Norge Språk: Norsk ▼

Ashley Madison er det mest kjente merkenavnet innen utroskap og dating for gifte. Som sett på The View, Ellen, Dr. Phil, Larry King, Good Morning America. Ashley Madison er det mest anerkjente og velansette selskapet for dating for gifte. Våre datingfjenester for gifte fungerer. Ashley Madison er det mest populære nettstedet for de som ønsker å finne utro partnere og ha en affære. Ha en affære i dag på Ashley Madison. Tusenvis av utro koner og utro ektemenn registrerer seg hver dag på jakt etter et forhold. Vi er det mest kjente nettstedet for diskrete treff mellom gifte personer. Dating for gifte har aldri vært enklere. Med pakken for treffgaranti kan vi garantere at du vil finne den perfekte partneren. Registrer deg gratis i dag.

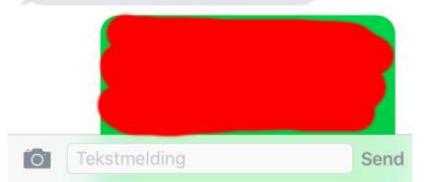
© 2001 - 2016 Avid Dating Life Inc. - Offisiell Ashley Madison hjemmeside Registrert i ett eller flere land.

18+ Voksendating betyr at alle medlemmer må være 18 år eller eldre

Områdekart



Nå skal jeg ikke ta mer av tida di, men sårbarheten for ytterligere brukerskader kan ligge i at IT kan bli provosert av tregheten i lovsystemet, evt vil holde saken varm. Hils ihvertfall publikum og andre og advar om hva slags psykisk helvete litt ubeteksomhet på nettet kan føre med seg. Jeg er nærmest en fullstendig slagen mann, vet ikke om jeg noengang klarer å reise meg igjen. Og jeg hadde et liv med mange store kvaliteter. Ikke som sutring, men som "matter of fact" og kraftig advarsel.



I am not going to waste any more of your time, but the potential of additional user damages due to «Impact Team» being provoked by the slow legal process etc may keep the story in the media. Tell the audience and others and warn them about the psychological hell a little bit of rashness online can lead to. I am almost a completely broken man, and I don't know if I will ever be able to stand up again. And I had a life full of great qualities. Not as whining, but as a «matter of fact» and a strong warning.



