Passwords. and related topics.

Per Thorsheim Twitter: @thorsheim





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Passwords16 CFP NOW OPEN!

B-Sides Las Vegas, August 2-3 2016, Tuscany Suites & Casino, Las Vegas Nevada.

A hacker conference that's all about passwords, PIN codes, and digital authentication.

Passwords are the most prevalent form of authentication in the digital age, and are the first line of defense against unauthorized access in most systems. Even if you are using some other form of authentication for a particular service, there's still a password in the chain somewhere — it all comes back to relying on something somewhere being password-protected. But after 50 years of computing evolution, *123456* and *password* still top the list of most frequently

Submit Now!

Next Event

Passwords16 Las Vegas

B-Sides Las Vegas 2016 Tuscany Suites & Casino

August 2-3, 2016

98







Password alternatives















Free download: http://www.epaymentbiometrics.ensicaen.fr/publications/resources







×





Kompatibel med enheten din

Prevents behavioral profiling by randomizing the rate at which characters reach the DOM.

Prevents behavioral profiling by randomizing the rate at which characters reach the DOM.

Notice:

This is a proof-of-concept plugin, following research by two independent security professionals (Paul Moore & Per Thorsheim). See https://paul.reviews/behavioral-profilingthe-password-you-cant-change/ for more details.

Nettsted
 Rapporter misbruk
 Versjon: 2.4
 Oppdatert: 28. juli 2015
 Størrelse: 88.74KiB
 Språk: English



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 non-memorable 4-digit memorable 7-digit memorable Digit distribution in memorizable 4-digit PINs (26 participants in Finse 2013) Digit distribution in random 4-digit PINs (26 participants in Finse 2013) Digit distribution in memorizable 7-digit PINs (26 participants in Finse 2013) 12 Digit 0 is not «random» enough?

Digit 6 is hard to remember?

Thank you to Andrey Bogdanov, Sondre Rønjom & Jan Fredrik Leversund for great help!



Creating a long & memorable PIN:





Lock Patterns







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 ☺ «Blond» Superblond Brunette Redhead 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 December2015 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 [\]_`abcdefghijkImnopqrstuvwxyz { | } ~
- It must contain at least 1 lowercase letter(s) (abcdefghijklmnopqrstuvwxyz).
- 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





Tweets All / No replies



The Associated Press @AP 2m Breaking: Two Explosions in the White House and Barack Obama is injured Expand








Attacking 2FA/2SV authentication

One out of many «sideprojects»





Sci-Fi – or reality?







(a) Setup and representative frame





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**

ASHLEY MADIS N[®] 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 Trusted Security Award

100%

DISCREET

SERVICE

SSL Secure Site





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



← → C 🗅 krebsonsecurity.com/2015/07/online-cheating-site-ashleymadison-hacked/

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July 15





19 Online Cheating Site AshleyMadison Hacked

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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 Web links were no longer recoording.





Q

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





HOME > INFOSOCIETY > NEWS

EU officials exposed in Ashley Madison hack



The Ashley Madison site promises a 100% discreet service. [Ashley Madison]

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





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EXCHANGE A BLOG BY ED STETZER ED STETZER

Home > 2015 > August

CULTURE DISCIPLESHIP HUMOR INTERVIEWS LEADERSHIP MISSIOLOGY PLANTING RESEARCH REVITALIZATION THINKERS FINING FINING FINING

AUG 27, 2015 ASHLEY MADISON

'My Pastor Is on the Ashley Madison List.'

Too many Christians have been caught using Ashley Madison, many of them pastors and church leaders. What now? | Ed Stetzer



Here are links to all of my posts on the Ashley Madison leak:

Life Is Eternal. Don't Have an Affair.

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MOST POPULAR POSTS

'My Pastor Is on the Ashley Madison List.'

'My Husband Is on the Ashley Madison List. What Now?'

Ashley Madison Exposes More Than Just Names

'I'm on the Ashley Madison List. Now What?'

Life Is Eternal. Don't Have an

Password analysis



Sophisticated Security: W 🗙

Sophisticated Security

crypto, infosec, bitcoin, and general asshattery

What I learned from cracking 4000 Ashley Madison passwords

The Plan

When the Ashley Madison database first got dumped, there was an interesting contingent of researchers talking about how pointless it would be to crack the passwords, since Ashley Madison was using salted bcrypt with a cost of 12. I thought it might be a fun experiment to run the hashes on a cracking rig of mine to see what I could actually get out of it.

The Rig

My cracking rig is your typical milk carton style setup, as seen on Silicon Valley.



It was originally purchased a couple years ago as a cryptocoin mining rig for about \$1500 in bitcoins. Pretty much just a stack of four ATI R9 290s running PIMP (http://getpimp.org). PIMP is a Debian based USB boot environment designed for plug and play cryptocoin mining. I find it super convenient to use because it deals with all the GPU driver BS, and by default gives you the most optimized setup for whatever cards you're using. To give it the magical cracking powers, I dropped the most recent oclHashcat in there as well.

The Procedure

So, the data showed up in the form of a mysqldump.

gunzip member login.dump.gz tr , '\n' < member_login.dump > tmp.txt # switching commas for newlines grep "\\$2a" tmp.txt > tmp2.txt # grepping out hashes tr -d "\'" < tmp2.txt > am.txt # removing single quotes

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Blog Archive

August 25

August (1)

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About Me

Sean Pierce View my complete

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 |
| | |



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🗲 🔿 🕻 🗋 arstechnica.com/security/2015/09/once-seen-as-bulletproof-11-million-ashley-madison-passwords-already-cracked/

Register Log in ars technica MAIN MENU MY STORIES: 25 FORUMS JOBS **Sept. 10 RISK ASSESSMENT / SECURITY & HACKTIVISM** LATEST FROM ARS TECHNICA/UK Once seen as bulletproof, 11 million+ Ashley Madison passwords already cracked US desperately defends Safe Harbour scheme, says it never Programming errors make 15.26 million accounts orders of magnitude faster to crack. uses "indiscriminate surveillance" on EU by Dan Goodin - Sep 10, 2015 12:00pm CEST Share 😏 Tweet 144 VIRGIN? MORE LIKE SURGIN' Virgin Media increases max (ish) Sonos says its free Trueplay suit your room services WE'RE ALL DOOMED "Netflix and chill" button LATEST FEATURE STORY FEATURE STORY (13 PAGES) When the Ashley Madison hackers leaked close to 100 gigabytes' worth of sensitive documents

belonging to the online dating service for people cheating on their romantic partners, there seemed to be one saving grace. User passwords were cryptographically protected using bcrypt, an algorithm so slow and computationally demanding it would literally take centuries to crack all 36 million of them.

Now, a crew of hobbyist crackers has uncovered programming errors that make more than 15 million of the FURTHER READING download speed to 200Mbps, for free

app can tune your speakers to

Intelexit motivates and helps spies leave intelligence

Netflix wants you to build your own



OS X 10.11 El Capitan: The Ars Technica Review

Apple brings refinement and under-the-hood changes to Yosemite's new design.



Please direct all med

💓 TWITTER

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



July 20, 2015

UPDATE FROM AVID LIFE MEDIA, INC.

Suicide



Image: Ashley Madison: 'Suicic ♥ × ← → C www.bbc.com/news/technology-34044506 Image: Work and Work a

Technology

Ashley Madison: 'Suicides' over website hack

By Chris Baraniuk Technology reporter

C 24 August 2015 Technology



Toronto Police's Bryce Evans appealed to the hacking community for information

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

The police in Toronto gave no further information about the deaths.

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.

Details of more than 33m accounts were stolen from the website, which offers users

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Ashley Madison client data 'leaked'





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Features & Analysis



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.





www.theguardian.com/technology/2015/sep/09/ashley-madisons-terms-and-conditions-told C

G UK world politics sport football opinion culture business lifestyle fashion envi home) tech

Ashley Madison

Alex Hern 9 @alexhern

Save for later

Ashley Madison's terms and cond told users it ran fake accounts

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:

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"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."

> Malcolm Turnbull after party vote



Angela Eagle's extra title due to Labour 'women row



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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 gifle. 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 gifle. Våre datingtjenester 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 periekte 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.







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+ NRK.NO

N°K Radio

Hør direkte 🔻 Kategorier

er Radioguide





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|-----------------|----|
| Del på Facebook | ļ, |
| Del på Twitter | l. |

Verdibørsen

Lørdag

Hør Verdibørsen

PROGRAMINFORMASJON

Seriebeskrivelse

P2s magasin for etikk og livssyn. Ved Aase Cathrine Myrtveit og Olav Njaastad

Episodebeskrivelse

Er du mann på nettsjekking? Da gjelder det gamle rådet: "Tenk med det øverste hodet" sier ekspert på datasikkerhet.En mor vil gifte seg å få barn med sin voksne sønn. Historien går verden over og forklares bla ødipuskomplekset. Men finnes det? Frimureriet stammer fra vikingene sier forfatter som selv er frimurer. I ny bok dokumenterer han ritualenes hedenske opphav.Videoen som viste at en kvinne stjal en ring et lik, vakte oppsikt. Men kan vi gjøre noe galt mot de døde?

Tilgjengelig til: Ingen begrensning Tilgjengelig i: Verden Produksjonsår: 2016 Første gang sendt: NRK P2 23.04.2016 08:05 Siste gang sendt: NRK P2 24.04.2016 17:05 Aldersgrense: Tillatt for alle

Serietittel: Verdibørsen Episodetittel: Lørdag Varighet: 55 minutter







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