Your Identity Is Showing

Who We Are

SecSIG provides Information Security related content to, for and by members of Mensa.

While our SIG membership is limited to members of Mensa, our content is freely available and usually published on our web site.

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@ info@secsig.org

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A Quick Introduction

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Managing Your Identity at Mensa Speed

Your Identity Wasn't Stolen. You Gave It Away!

Chances are, you have used a web site, credit card, cell phone or many of the other services of modern life. They all come with end user license agreements, terms of service, or other agreements which, in the best of cases, govern what can be done with your identity. In the worst cases, they are ignored or changed after your data was rendered.

The basic rule is that you are the product.

A recent example would be Cambridge Analytica and their microtargeting citizens in both the US 2014 and 2016 elections as well as the UK Brexit referendum of the same time. As we learn about nation states now using this data to influence the population, the internet might well be considered the new propaganda.

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Losses are Disproportionate

Business act in their best interest. The impact on them, should they loose your data, is very low as compared to the impact on you if your data is picked up by an unethical actor.

Average Cost per Lost or Stolen Record	Likelihood of a recurring material breach over 24 months	Mean Time to Identify	Mean Time to Contain
$148	27.9%	197 days	69 days

Ponemon Institute: 2018 Cost of a Data Breach Study

Managing Your Identity at Mensa Speed

We Keep Giving The Same Presentation

Because you're human.

We are more likely to act on emotion in the present and logic in retrospect.
This makes it easy for unethical actors to socially engineer the masses into illogical but emotionally satisfying behavior.

Top Factors in Investment Fraud

Male Gender
Conservative Ideology
High Trading Frequency
Value Wealth as Success
Targeted by Phone
Frequent Remote Investing
Older Age

AARP Investment Fraud Vulnerability Study 2017

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It Goes Without Saying… But apparently not

If you communicate with anyone, by any means, and they ask or suggest any of the following… **It's probably a SCAM!**

What Is Your Name?	You're In Trouble with the Law, Government, IRS, etc.	You could save money if…
Can You Confirm Some Details?	You need to send us money, gift cards, etc.	You could make money if…
We need your credit card, bank account, account number, etc.	You have an account with us you didn't know about.	You will loose money if you don't…

Reputable businesses will go out of their way to avoid the appearance of fraud.
If you're being pressured to act out of emotion or with a sense of urgency,
the person you're talking to needs you to not think.

Managing Your Identity at Mensa Speed

There is a 0% chance your information is private.

It does not matter how much you try to protect yourself; your information is public. You can, and must, act rationally given this reality.

Information you leak is used to build a profile of you and how you can be manipulated to behave in targeted ways.	**Take ownership for a basic understanding of everything you do.**
Information you receive is probably targeted to what you're thought to respond to.	**Look for source data.** **Consider all of the ways you provide insight into your behaviors.**
This system accelerates the less you think critically about its behaviors.	**Isolate and respond to risks appropriately.**

Perform a Risk Assessment

Collect your records and know your footprint

Do this now!	Then Up Your Game
• Keep a list of your financial accounts, important contacts, medical records, legal paperwork and other critical documents in a safe digital location. • Inform your family how to access this information should you be unable to do so. • Create a medical power of attorney, legal power of attorney and living will in consultation with your lawyer.	• Create an 'I'm dead' book that helps your family know how to interact with all of your critical records. • Review your credit report and known online footprint to look for errors or unanticipated changes.

American Bar Association
https://www.americanbar.org/groups/law_aging/resources/health_care_decision_making/power_atty_guide_and_form_2011/

Secure Your Box

Your computer, tablet, phone all need to be secured.

Do this now!	Then Up Your Game
• Remove all outdated software • Remove software from unknown vendors • Search out and fix vulnerabilities • Use a password manager and a different password for every site you register on • Use a different email address for sensitive information • Only use burner credit cards online	• Encrypt your device • Use multifactor authentication • Check your online hygiene

Saner SecPod Vulnerability and Compliance Management
https://www.secpod.com/saner-endpoint-security-personal.html

LastPass Password Manager
https://www.lastpass.com/

Windows 10 Bitlocker
https://support.microsoft.com/en-us/help/4028713/windows-10-turn-on-device-encryption

YubiCo YubiKeys
https://www.yubico.com/

Fix Your Network

Your internet connection is suspect.

Do this now!	Then Up Your Game
• Use your own cable modem • Upgrade to a SOHO firewall and access point • Use a Internet VPN when you're not at home	• Isolate your Internet of Things (IoT) devices onto a separate network

Which Cable Modem Do You Need?
https://www.tomsguide.com/us/how-to-buy-cable-modem,review-5607.html

Uniquiti Amplifi
https://www.amplifi.com/

Ubiquiti Secure Gateway
https://www.ui.com/unifi-routing/usg/

Private Internet Access
https://www.privateinternetaccess.com/

Establish Your Brand

Where is your name being used?

Do this now!	Then Up Your Game
• Establish common email addresses • Establish common domain names • Search for existing instances	• Check out your records with well known web sites, credit reporting agencies, and public sources • Request your FOIA file from the government • Limit the use of your credit file

Proton Mail
https://protonmail.com/

Network Solutions
https://www.networksolutions.com

Freedom of Information Act
https://www.foia.gov/how-to.html
https://foiaonline.gov/foiaonline/action/public/request
https://www.dhs.gov/steps-file-foia

LifeLock Identity Monitoring
https://www.lifelock.com/

Lock Your Credit File
Equifax
https://www.equifax.com/personal/products/credit/credit-lock-alert/
Experian
https://www.experian.com/blogs/ask-experian/how-to-freeze-your-credit-report-for-free/
TransUnion

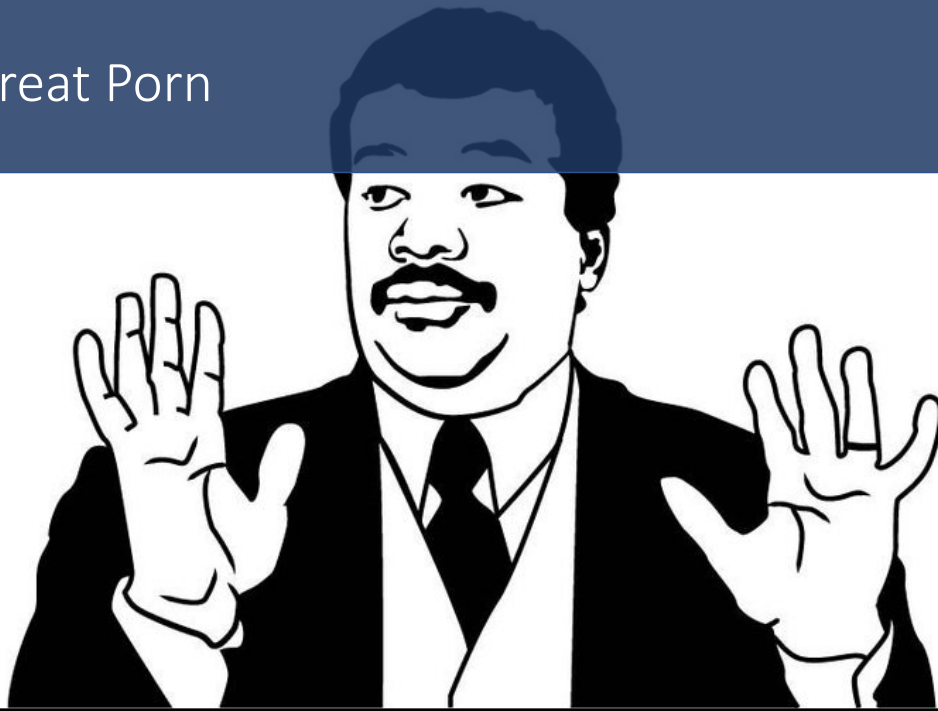https://www.transunion.com/credit-freeze

Choose Your Own Adventure

You're not going to be able to remediate all risk.

- Consider how companies you work with or buy services from treat your identity, privacy and if they have a good reputation.
- Secure what can be reasonably secured.
- Review and reduce your footprint where possible.
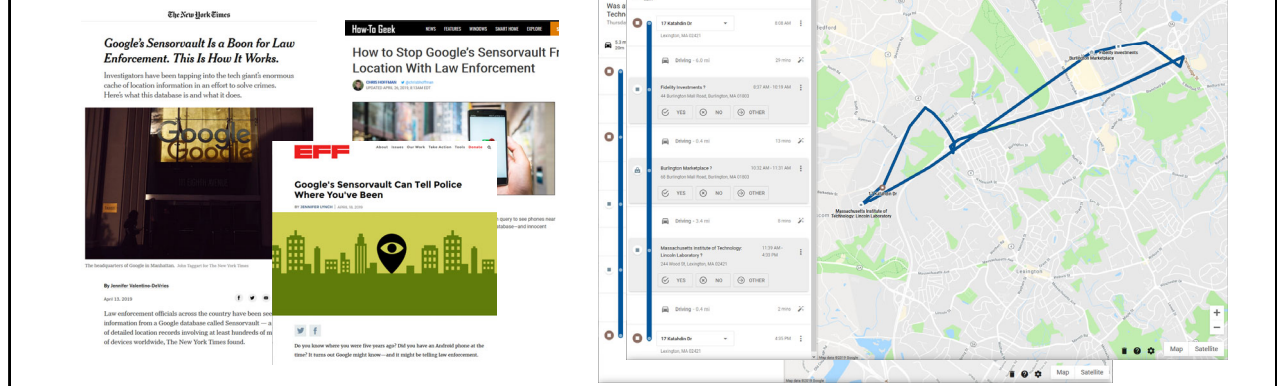- Look for evidence of Abuse and Fraud.

Threat Porn

Google Timeline
https://www.google.com/maps/timeline?pb

New York Times
https://www.nytimes.com/2019/04/13/technology/google-sensorvault-location-tracking.html

How-To Geek
https://www.howtogeek.com/411387/how-to-stop-googles-sensorvault-from-sharing-your-location-with-law-enforcement/

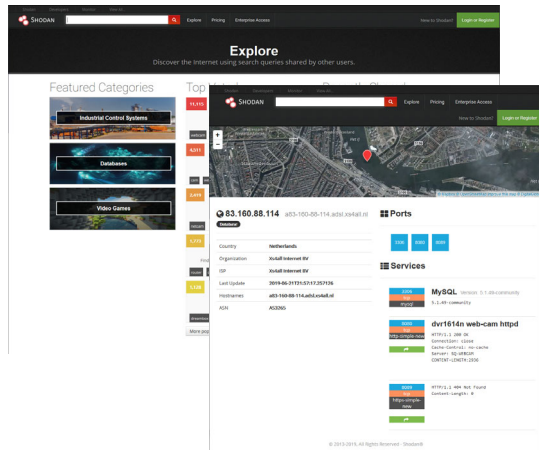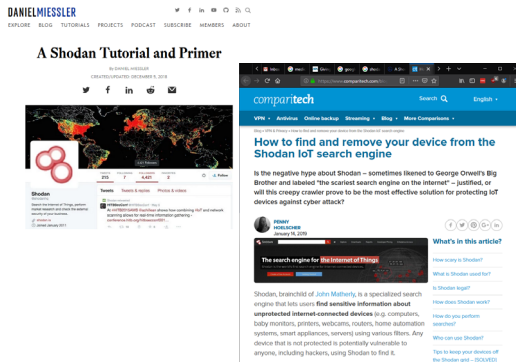Electronic Freedom Foundation
https://www.eff.org/deeplinks/2019/04/googles-sensorvault-can-tell-police-where-youve-been

Shodan

What's On The Net
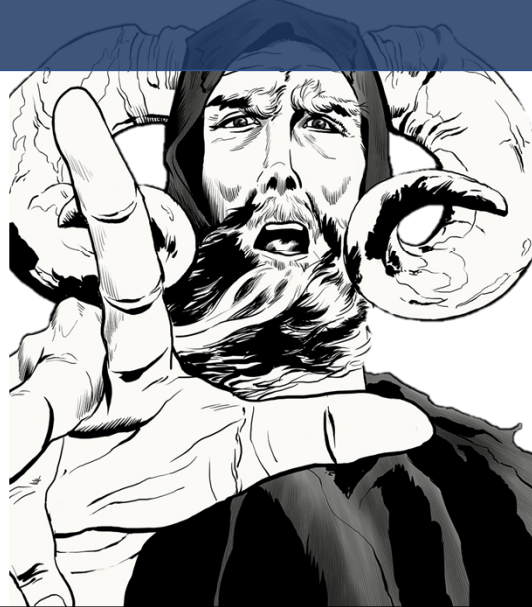How many insecure devices are just on the net?

Shodan
https://shodan.io

Daniel Miessler: A Shodan Tutorial and Primer
https://danielmiessler.com/study/shodan/

Comparitech: How to find and remove your device from the Shodan IoT search engine
https://www.comparitech.com/blog/vpn-privacy/remove-device-shodan/

You Must Be Fun At Parties

Presentation Information

US Mensa Security Special Interest Group Presentation

Title: Your Identity Is Showing
Version: 2019.06.22
Time: 45 Minutes + Q&A

Abstract
The audience will learn about general precautions of managing their identity online, including some basic remediations for identifying and protecting themselves against fraud.

The handout associated with this presentation provides a list of potential tools associated with the topics presented.

Speaker Biography

Bill Weber is the Cyber Security Sector Manager at MIT Lincoln Labs and a frequent speaker on personal and information security as well as a blockchain enthusiast.

With over 30 years in the field, Bill has worked with organizations like Microsoft, Electronic Data Systems, Hewlett-Packard and now MIT to provide leadership in cybersecurity for defense, healthcare and financial sector clients globally.

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