

## Mensa SecSIG: Your Identity Is Showing Handout

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As with all of our content, we are not your lawyer. In fact, we are not lawyers and in no way is this sage advice. You shouldn't do things that are illegal. We're not suggesting otherwise. For any reasonable purpose, you should assume that we don't know what we are talking about, and you should figure this stuff out on your own, or not at all. Don't call us because your identity was stolen. Those bastards are crafty.

### The Agenda

Reduce Your Footprint  
Secure Your Box  
Hope Everyone Will Forget

### Footprint

Things you touch leave prints behind. While you can't always control what people observe about you, you can influence where you go and therefore what data you leave behind. Our first goal is to understand common sources of data and how Skip Tracing fills in the missing details.

### Our Target

STEP 1: Develop a Profile  
What We Know  
John Williams, 12 Bent Branch Road, Bethesda, MD 20816  
+1 571 204 3812, [jwilliams@gmail.com](mailto:jwilliams@gmail.com)  
Search Engine Terms  
"John Williams" "20816", "John Williams" "12 Bend Branch Road"  
"John Williams" "571" "204", "jwilliams@gmail.com"

### Open Source Intelligence

Step 2: Public Records Search  
Traditional Sources  
County Assessor Tax Records, Voter Roles, Professional Licenses, Government ID Search / Drivers License, Death Records, Bureau of Prisons  
Online Places to Search  
Google ([google.com](http://google.com)), Google Alerts ([google.com/alerts](http://google.com/alerts)), Duck Duck Go ([duckduckgo.com](http://duckduckgo.com)), PasteBin ([pastebin.com](http://pastebin.com)), Have I Been Pwned ([haveibeenpwned.com](http://haveibeenpwned.com)), Instant Checkmate ([instantcheckmate.com](http://instantcheckmate.com))  
IntelTechniques ([inteltechniques.com/menu.html](http://inteltechniques.com/menu.html)), SpyTox ([spytox.com](http://spytox.com)), That's Them ([thatsthem.com](http://thatsthem.com)), Pipl ([pipl.com](http://pipl.com))

### They Really Do Know Everything

Step 2: Extended Public Records Search  
Credit Reporting Bureaus, Free Credit Report ([annualcreditreport.com](http://annualcreditreport.com)), Experian ([experian.com](http://experian.com))  
Equifax ([equifax.com](http://equifax.com)), TransUnion ([transunion.com](http://transunion.com))  
Public Data Sources, LexisNexis ([lexisnexis.com](http://lexisnexis.com)), Westlaw ([clear.thomsonreuters.com](http://clear.thomsonreuters.com)), Acxion ([acxiom.com](http://acxiom.com)), Sterling Infosystems ([sterlinginfosystems.com](http://sterlinginfosystems.com))  
What have your neighbors said on social media?

EchoSec ([app.echosec.net](http://app.echosec.net)) Commercial Product  
What data are you leaking? Reward & Loyalty Programs  
Google / Facebook, Innovis ([innovis.com](http://innovis.com)), Core Logic / SafeRent ([corelogic.com](http://corelogic.com))

### You're The Product

Amazon Order History: [amzn.to/2Q714nm](http://amzn.to/2Q714nm), Dialog History: [amzn.to/2NQ8TKn](http://amzn.to/2NQ8TKn); Apple [privacy.apple.com](http://privacy.apple.com); Facebook [www.facebook.com/ads/preferences](http://www.facebook.com/ads/preferences), [www.facebook.com/dyi](http://www.facebook.com/dyi); Google [takeout.google.com/settings/takeout](http://takeout.google.com/settings/takeout); LinkedIn GDPR Compliance: [bit.ly/2M3IfvX](http://bit.ly/2M3IfvX); Twitter Download Archive: [bit.ly/2M3IuXI](http://bit.ly/2M3IuXI)

### Securing Your Box

#### You're Vulnerable

STEP 1: Remove Insecure Software  
Remove all unused or outdated software  
Operating System Updates  
Search Out Vulnerabilities  
Saner Personal ([bit.ly/2MPWSbh](http://bit.ly/2MPWSbh))  
AntiVirus / Personal Firewall / Glasswire  
STEP 2: Protect Your Identity  
Password Manager  
LastPass / KeePass / Automatically Changed Passwords  
Multifactor Authentication / YubiKey / Google Authenticator  
STEP 3: Encrypt Your Data  
Encrypt your Hard Drive / Apple FileVault / Microsoft BitLocker  
Encrypt your Files / Veracrypt  
Evaluate Where Your Data is Stored / Dropbox / Google Drive / One Drive

#### Your Network Sucks

STEP 1: Basic Home Internet  
Use your own cable modem  
(e.g. ARRIS SURFboard – check with your provider)  
Use a SOHO firewall  
Ubiquiti EdgeRouter X / Internet Security Gateway  
Use a SOHO wireless solution  
Ubiquiti AmpliFi Wi-Fi / Implement WPA2 PSK

#### Walk Silently

STEP 1: Everyday Protections  
Mozilla Firefox / uBlock Origin / EFF Privacy Badger / Cookie AutoDelete / Blank Start / Home Page  
CCleaner Pro / Monitoring > Auto Delete  
Spybot Anti-Beacon (Windows)  
STEP 2: Starbucks Model  
Privoxy Non-Caching Web Proxy  
Private Internet Access VPN  
STEP 3: Partially Anonymous  
The Onion Router (TOR) / Tor Browser / Tails Operating System

#### Being Remembered Or Trying To Forget

Establishing Your Brand (Before Someone Else Does)  
Establish your name across multiple sites  
Knowem ([knowem.com](http://knowem.com))



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### Common Email Addresses

AOL (aol.com) / Gmail (gmail.com) / Inbox (inbox.com)  
Mail (mail.com) / Microsoft (outlook.com / hotmail.com)  
Yahoo (yahoo.com)

### Common Domain Names

Knowem (knowem.com) / Network Solutions (netsol.com)  
Domain History (domainhistory.net) / Domain Tools  
(research.domaintools.com) / Security Trails (securitytrails.com)  
Search for Existing Instances  
SpyTox (spytox.com) / That's Them (thatsthem.com)  
Pipl (pipl.com)

### Robots Are Not Your Friends

#### Step 2: Drop the Bots

Estimates vary widely, but it is generally believed that up to 25% of social media accounts are bots. Or more generally, are not the people they appear to be.

#### **ACTION: Review your Social Media Accounts**

1. List all of the sites you visit. Classify them into 'get and give information', 'give information' and 'get information'.
2. For the 'give' sites, review all of your 'friends and followers'. Remove any accounts that you don't personally know to be authentic.
3. For the 'get' sites, consider if the information you are being provided is likely to be true.

### We're Here From the Government

#### Step 3: Know the Law

##### General Data Protection Regulation

UK ISO: [bit.ly/2NWGKRC](https://bit.ly/2NWGKRC) ; Wikipedia: [bit.ly/2wJX55K](https://bit.ly/2wJX55K)

Does GDPR affect US companies? Yes! Forbes: [bit.ly/2oKSI5S](https://bit.ly/2oKSI5S)

Are the US States catching up? Yes! Martech: [bit.ly/2NO9fRy](https://bit.ly/2NO9fRy)

Privacy, TOS and EULAs are all being updated to reflect new requirements / Right to know what is being collected / Right to be forgotten / Opt-In defaults

### Limiting Use

#### Step 4: Monitor and Protect Your Credit

Consumer Credit Freeze FTC Credit Freeze Info: [bit.ly/2oJIFhL](https://bit.ly/2oJIFhL)

Free Annual Credit Report: [bit.ly/2wUQEx1](https://bit.ly/2wUQEx1) Opt-Out Prescreened

Credit: [bit.ly/2MMGCI5](https://bit.ly/2MMGCI5) Equifax: [bit.ly/2NoLkeq](https://bit.ly/2NoLkeq) Experian:

[bit.ly/2MOYB8w](https://bit.ly/2MOYB8w) TransUnion: [bit.ly/2Q8nwdt](https://bit.ly/2Q8nwdt)

#### The More You Know

There are numerous private databases that maintain data on you. The OSINT book referenced at the end of the presentation has large sections dedicated to managing this risk.

### You Must Be Fun at Parties

### Choose Your Own Adventure

You're not going to be able to remediate all risk. Secure What Can Be Secured. Review and Reduce Your Footprint. Look For Evidence of Abuse. Consider Privacy and Reputation as an Agreement Criteria

### Extra Credit

### OSINT Foundation

Open Source Intelligence Techniques

Michael Bazzell [inteltechniques.com](https://inteltechniques.com)

### Skip Tracing

Skip Tracing Basics & Beyond: A Complete Step-by-Step Guide for Locating Hidden Assets

Susan Nash

How The \*Bleep\* Did You Find Me?: Real life lessons for protecting your privacy from one of America's leading skiptracers

Judi Sheeks

### Questions

Visit us and download this presentation at [SecSIG.org](https://SecSIG.org)

