

Cybercrime & Cybersecurity



Gary @ Big Ideas Forum
Anthem 11. 1. 2018

Cybercrime & Cybersecurity

- ◆ We have to protect ourselves against (a) crooks and (b) personal data collectors.
- ◆ "You're not the customer, you're the product."



Future Crimes
Paperback –
Mar 18 2018
by Marc Goodman



HIDING FROM THE INTERNET

ELIMINATING PERSONAL ONLINE INFORMATION

FOURTH EDITION

MICHAEL BAZZELL



Hiding from the Internet: Eliminating Personal Online Information

Paperback –
Mar 18 2018

by [Michael Bazzell](#)

THE ART OF INVISIBILITY

The World's Most Famous Hacker
Teaches You How to Be Safe in the
Age of Big Brother and Big Data

AUTHOR OF THE NATIONAL BESTSELLER *GHOST IN THE WIRES*

KEVIN MITNICK

with Robert Vamosi

FOREWORD BY MIKKO HYPPONEN, CHIEF RESEARCH OFFICER OF F-Secure

Kevin Mitnick:

The Art of Invisibility:

**The World's Most Famous
Hacker Teaches You How to Be
Safe in the Age of Big Brother
and Big Data**

**Paperback scheduled for release in
2019**

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"Technology...is a queer thing: it brings you great gifts with one hand and it stabs you in the back with the other."

Charles Percy Snow

"The truth will set you free, but first it will piss you off."

Gloria Steinem

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- 1 <https://www.youtube.com/watch?v=Pm1Wgd9bbOk> Business of Cyber Crime
- 2 <https://www.youtube.com/watch?v=aN1yoWv4ONo> Cybercrime Hacking Goes Way Beyond Simple Identity Theft
- 3 <https://www.youtube.com/watch?v=FqrLUtIFVjs> Where Is Cybercrime Really Coming From?
- 4 https://www.youtube.com/watch?v=c_2Ja-OTmGc Cybercrime Isn't About Computers; It's About Behavior

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- ◆ "... (C)ompanies such as Acxiom have been able to deploy the most sophisticated intelligence surveillance system that has ever existed into the lives of nearly every American alive today. This technological feat represents the 'new normal' of our data surveillance society...." Marc Goodman, Future Crimes

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- ◆ "The Acxiom Corporation...operates more than 23,000 computer servers that 'are collecting, collating, and analyzing' more than 50 trillion unique data transactions each year. Ninety-six percent of American households are represented in their data banks, and Acxiom has amassed profiles on over 700 million consumers worldwide. Each profile contains more than fifteen hundred specific traits per individual...."

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- ◆ "Data brokers get their information from our Internet service providers, credit card issuers, mobile phone companies, banks, credit bureaus, pharmacies, departments of motor vehicles, grocery stores, and increasingly our online activities."

[Also from multiple government agencies/
public records, as well as the big tech
companies]

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What you can do TONIGHT (and every night):

- ◆ (1) turn off your computer(s), and
- ◆ (2) turn off your wi-fi router.

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Tomorrow morning:

Update your browser, i.e. Windows, MacOS

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- ◆ Then...
- ◆ Open your browser, type in your full name, and click "enter/search".
- ◆ Be prepared to be shocked! (And this is only the free stuff!!!)

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- ◆ Antivirus (e.g. Norton, McAfee, Symantec, etc., NOT Kaspersky)
- ◆ MALWAREBYTES (\$0, 40, 60)
- ◆ CCleaner --removes cookies and plug-ins

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- ◆ CHANGE YOUR BROWSER.

FIREFOX (free) does not track you; set it as your default browser.

DUCKDUCKGO (free) anonymous search engine. No user account, does not log IP address.

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- ◆ HELPER APPS (1):
- ◆ HTTPS Everywhere (encrypted connection, free),
- ◆ uBlock Origin (ad blocker, free), AdBlock Plus (free) ,

cont'd

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- ◆ HELPER APPS (2):
- ◆ Privacy Badger (blocks tracking cookies, free),
- ◆ NoScript (blocks ads and 3rd party referrers, free)

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- ◆ VPN (Virtual Private Network)--hides your computer's identity and location. PIA (Private Internet Access), NordVPN, etc.

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- ◆ EMAILS: NEVER open an email from an unknown source, and don't click on attachments or urls inside emails before checking their validity.
- ◆ The big, free email apps (e.g., gmail) scan your emails, allegedly to filter out malware, but really in order to send you targeted advertising.
Solution: use an "end-to-end encryption" email such as PROTONMAIL.

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- ◆ TEXTING. Use an app, NOT your phones text program. Chatsecure, Signals
- ◆ Never click on ads

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- ◆ EVERY MOUSE CLICK YOU MAKE, I'LL BE WATCHING YOU.

Be very careful what you search for on the Internet. It's not just search engines that track your online habits; every website you visit does as well." Kevin Mitnick, The Art of Invisibility

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- ◆ Strengthen your PASSWORDS, and use a "password manager." This includes all connected devices, esp. wi-fi routers (NEVER use default passwords).

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Do you really need wi-fi?

- ◆ ETHERNET alternative--more secure, faster, reduced latency, more reliability/less interference. If you choose to stay with wi-fi, do a search for how to keep your wi-fi secure

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- ◆ SMARTPHONES: turn off "location" feature until you need it, e.g. for "maps" app. Use Firefox, VPN, etc.
- ◆ MINTMOBILE: anonymous, less expensive

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DISINFORMATION:

- ◆ NEVER give personal information unless it is
(a) legally required or (b) there is a clear
need for it, e.g. medical info

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- ◆ Use cash and/or pre-paid credit cards/gift cards (can't be tracked)

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"It is unsettling but true that to date no computer system has been created that cannot be hacked."

Marc Goodman, Future Crimes



Archive

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Click Here . . . and you get



Cyber Crime

Is Everything Being Hacked?

Posted on November 1, 2018

Future Event – We looked at this troubling area in the [Fall of 2015](#), but as everyone knows, much has happened since then. Our exposure is increasing, and cyber crime is getting more and more sophisticated. In this presentation, we will look at recent developments, examples, and “What can we do about it?” This is an evening you do not want to miss.

Presenter: Gary

Tags: [Social Issues](#) [FUTURE](#)

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Here's a calendar of the upcoming events.

Big Ideas Forum

Today ◀ ▶ November 2018 ▼

Print Week Month Agenda ▼

| Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|-----|-----|-----------------------|-------|-----|-------|-----|
| 29 | 30 | 31 | 1 Nov | 2 | 3 | 4 |
| | | 22:00 Cyber Crime | | | | |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | | | | | |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| | | 21:00 The Future of | | | | |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| | | | | | | |
| 26 | 27 | 28 | 29 | 30 | 1 Dec | 2 |
| | | 21:00 3D Printing - a | | | | |



Resources

Accelerating Technology

- Ray Kurzweil: [“The Singularity Is Near”](#)
- Stuart Armstrong: [“Smarter Than Us - The Rise of Machine Intelligence”](#)
- Michio Kaku: [“The Future of The Mind”](#)
- Jim Mellon: [“Fast Forward: The Technologies and Companies Shaping Our Future”](#)
- Jerry Kaplan: [“Humans Need Not Apply: A Guide to Wealth and Work in the Age of Artificial Intelligence”](#)
- Robert Bryce: [“Smaller, Faster, Lighter, Denser, Cheaper: How Innovation Keeps Proving the Catastrophists Wrong”](#)

Futurism

- Peter Diamandis: [“Abundance: The Future Is Better Than You Think”](#)
- Clive Thompson: [“Smarter Than You Think: How Technology Is Changing Our Minds for the Better”](#)
- Matt Ridley: [“The Rational Optimist”](#)
- Robert Ranish: [“Post- and Transhumanism: An Introduction”](#)

Digital Technology

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Thank You!

MOBILE Malware

- ◆ Malware applications continue to surge:
Variants are up 54%
- ◆ Symantic blocked an avg. of 24,000
malicious malware mobile applications
each DAY last year

Protecting your Internet life

- ◆ Unpatched devices and greyware make life easier for attackers
- ◆ Mobile users also face privacy risks from grayware apps that aren't completely malicious BUT can be troublesome: 63% of grayware apps leak the device's phone number.

Protecting your Internet life

- ◆ Updating to the latest OS is good cyber security hygiene. However,
- ◆ only 20 percent are running the newest version of Android, and
- ◆ only 2.3 percent are on the latest minor release.