

Defending Internet Privacy at Work and Home



Franny Gaede
@mfgaede

The American Library Association affirms that rights of privacy are necessary for **intellectual freedom** and are fundamental to the **ethics** and practice of librarianship.

Franny Gaede
@mfgaede



a note on
nothing to **hide**
nothing to **fear**



DANIEL J. SOLOVE



**Nothing
to Hide**

The False
Tradeoff Between
Privacy and
Security

Daniel Solove has written extensively on the subject. See articles on *Chronicle of Higher Education* and SSRN, as well as his blog

Franny Gaede
@mfgaede



Why Now?

S.J. Res. 34 signed into law
April 3, 2017

Overturns FCC regulation:
Protecting the Privacy of
Customers of Broadband & Other
Telecommunications Services



Nothing New

The repealed FCC regulation wasn't set to go into effect until later this year, so nothing has changed



Nothing New

ISPs are allowed to sell customer data to advertisers. The repealed regulation would have required them to seek permission



Nothing New

It's the difference between an **opt-in** system enforced by the government and an **opt-out** system designed by each ISP.



What to Do?

Going forward, it's important to keep an eye on your ISP's privacy policy

**Create a Google Alert for
“[Your ISP Name] privacy”**



What's for Sale?

Nothing yet, but eventually ISPs
may offer anonymized browser
history data to 3rd parties



What's for Sale?

Many ISPs have their own advertising networks & already serve targeted ads based on user browser history data

(AT&T previously required an extra \$30 fee to opt-out of personalized ads based on Internet traffic)



What's Not for Sale?

- Your Congressional representatives' browser history
- Your personal, individual browser history

crowdfunding money for congressional data (*mostly*) went to EFF & ACLU



Now What?

Daniel Solove suggests we'll see other regulatory bodies move into the space formerly occupied by the FTC & FCC

(Internet privacy provisions were recently dropped from Minnesota budget)



Getting Started

- Reading Contracts
 - TOS;DR: <https://tosdr.org/>
- Supporting Privacy Groups
 - Library Freedom Project, EFF, ACLU, independent media
- Technology



A Bit of Technological Solutionism

- It's all about encryption
- Install HTTPS Everywhere
 - Browser extension for Chrome, Firefox, Opera
 - Developed by EFF to force encrypted connections where available
- A VPN is super important
 - Opera has a free, built-in VPN that's gotten a lot of press, but caution
 - A good, reliable VPN is one you pay for
 - Note that Netflix will not function with a VPN active



TOR

“The Tor network disguises your identity by moving your traffic across different Tor servers, and encrypting that traffic so it isn’t traced back to you. Anyone who tries would see traffic coming from random nodes on the Tor network, rather than your computer.”

—Lifehacker



TOR

- Interested in Tor? Check out the [Tor browser](#) for Mac, PC, and Linux, but be aware:
 - No Flash, RealPlayer, Quicktime, or BitTorrent
 - Downloading documents through Tor and opening them while connected to the Internet will reveal your non-Tor IP address



A Bit of Technological Solutionism

- uBlock Origin
 - Lightweight ad blocker
- Privacy Badger
 - Not just hiding/blocking ads, but opting you out of various third party tracking networks
- Expert Mode: Script Blockers
 - NoScript for Firefox, uMatrix for Chrome



A Bit of Technological Solutionism

- What about email?
 - Look to email encryption rather than a secure service (doesn't really exist in the US)
- What about my phone?
 - Encrypt your phone: iOS, Android
 - Many VPNs have mobile apps
 - Use Signal as an alternative to WhatsApp & Facebook Messenger



A Mindset

Less about the **tools**, more about
what your **concerns** are

What's negotiable? What
services do you need in your life?



Further Reading

Why Privacy Matters Even if You Have 'Nothing to Hide': <http://www.chronicle.com/article/Why-Privacy-Matters-Even-if/127461>

'I've Got Nothing to Hide' and Other Misunderstandings of Privacy: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=998565

How ISPs can sell your Web history—and how to stop them: <https://arstechnica.com/information-technology/2017/03/how-isps-can-sell-your-web-history-and-how-to-stop-them/>

What the Republican online privacy bill means for you: <https://www.vox.com/new-money/2017/3/29/15107110/republican-isp-data-privacy>

Five Creepy Things Your ISP Could Do if Congress Repeals the FCC's Privacy Protections: <https://www.eff.org/deeplinks/2017/03/five-creepy-things-your-isp-could-do-if-congress-repeals-fccs-privacy-protections>

No, You Can't Buy Congress's Internet Data, Or Anyone Else's: <https://www.techdirt.com/articles/20170329/13234837037/no-you-cant-buy-congresss-internet-data-anyone-elses.shtml>

Congress's Attempt to Repeal the FCC Internet Privacy Rules: The Void Will Be Filled: <https://www.teachprivacy.com/congress-attempt-repeal-fcc-internet-privacy-rules-void-filled>

Push for Internet Privacy Rules Moves to Statehouses: <https://www.nytimes.com/2017/03/26/technology/internet-privacy-state-legislation-illinois.html>

Internet privacy provisions removed from Minnesota bill: <http://www.twincities.com/2017/05/01/internet-privacy-provisions-removed-from-minnesota-bill/>

Surveillance Self-Defense Pack: <https://ssd.eff.org/en>

PrivacyTools.io: <https://privacytoolsio.github.io/privacytools.io>

Privacy icon by Gregor Cresnar: <https://thenounproject.com/term/privacy/1039048> used under [CC BY 3.0](https://creativecommons.org/licenses/by/3.0/)

Books cover for Nothing to Hide: The False Tradeoff between Privacy and Security by Daniel Solove: <http://a.co/dmjL4VI> used under Fair Use

Franny Gaede
@mfgaede

