Teaching Privacy in Libraries: Strategies and tools

https://libraryfreedomproject.org/resources/privacytoolkit/

An Interactive Webinar
Presented by Alison Macrina
March 29, 2018

Infopeople is dedicated to bringing you the best in practical library training and empowering libraries across the nation for the public by improving the skills of library workers. We work to fulfill the needs of librarians and library staff, and we enjoy creating a learning environment that is fun, enjoyable, and facilitates a nonthreatening learning atmosphere.

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About me

- Internet activist
- Former librarian
- Library Freedom Project
- Tor Project

Goals

- Learn how to assess risk
- Get familiar with basic digital privacy concepts and best practices
- Learn privacy tools to teach
- Get resources for teaching privacy
What we’ll cover

- Threat modeling/assessing risk
- Best practices and talking points
- Web browsing
- Other online activity
- More resources
- Questions

Threat modeling

- Assets
- Adversaries
- Capabilities
- Consequences

Threat modeling

- aka risk assessment
- What it is
- How you can use it
- Let’s try it together!
Who are the adversaries you identified?

What do we do?

- We need broad political and technical solutions.
- In the meantime, we can take steps to reduce harm.

Talking points

- How do you define privacy?
- control
- autonomy
- Choice
- What are some anti-privacy arguments? (group activity)
  - eg “I have nothing to hide.”
• If data is collected or stored, it can be exploited
• If data is transmitted or stored insecurely, it can be exploited
• The longer data is kept, the more likely it is to be exploited
• Metadata and content are both important
• Proprietary software has risks that free and open source software does not (but no software is perfect)

Basic best practices

• Tell the machines less information
• Or feed them noise (eg. AdNauseum)
• Desktop > mobile
• Software updates
• DeepFreeze or CleanSlate
• Data policies
• Chrome as default web browser
• Settings → privacy → turn off tracking

Social media

• Can Facebook ever be used safely? Maybe not.
• Does Facebook need to know this about me?
• Privacy settings can’t be relied on
• Location services – always off
• Photos are risky
  – Who is in them and what is their threat model?
  – What’s in the background?
  – Did you remove the metadata (exif)?
• Don’t RSVP to events
Doxing

- Doxing is the practice of publishing PII without consent, in order to create chaos
- Remove information from data brokers
- Don’t give PII to social media
- Use strong passwords and endpoint security

Passwords

(The biggest vulnerability on the internet)

- Strong passwords are complex, random, and unique
- Use EFF dice method to create a master passphrase
- Use a password manager to store all other passwords
- Lastpass
- 1Password
- Use 2factor authentication
- Lie to security questions
- Use at least a six-digit pin on mobile
Browsing (more) safely

- Problems with web browsers
- Best options: Chrome or Tor Browser
- Problems with search engines
- The business model of the internet
- Better alternatives exist for desktop than mobile

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The web without third-party trackers

Privacy Badger

https://libraryfreedomproject.org

Basic best practices

Welcome to Tor Browser

You can use this browser to connect to The Internet of the Past.

What's New?

- More ways to stop Javascript from tracking you
- Fast, free, and open

You Can Help!

You can help provide more privacy for everyone who uses the Internet.

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You can help provide more privacy for everyone who uses the Internet.
- Obscures your real IP
- Prevents cross-site correlation
- No one can see the websites you visit
- Blocks fingerprinting, cookies, scripts
- Writes nothing to disk

https://libraryfreedomproject.org

Orbot and Orweb: free Tor for Android
No officially supported Tor for iOS
Onion Browser for iOS is functional if not official!

https://libraryfreedomproject.org

A more private search engine:
duckduckgo.com
Signal

- Please download it!
  - Encrypted texting, calling, video chat
  - Android, iOS, MacOS, Windows, Linux
  - No stored metadata
  - Totally free
  - How does it compare to Whatsapp?

Resources

- EFF’s Security Education Companion
- Library Freedom Project: libraryfreedomproject.org/resources
- Tactical Technology Collective’s Security in a Box: tacticaltech.org/projects/security-in-a-box-key-project
- DIY Cybersecurity for Domestic Violence: hackblossom.org/domestic-violence/

Questions?

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