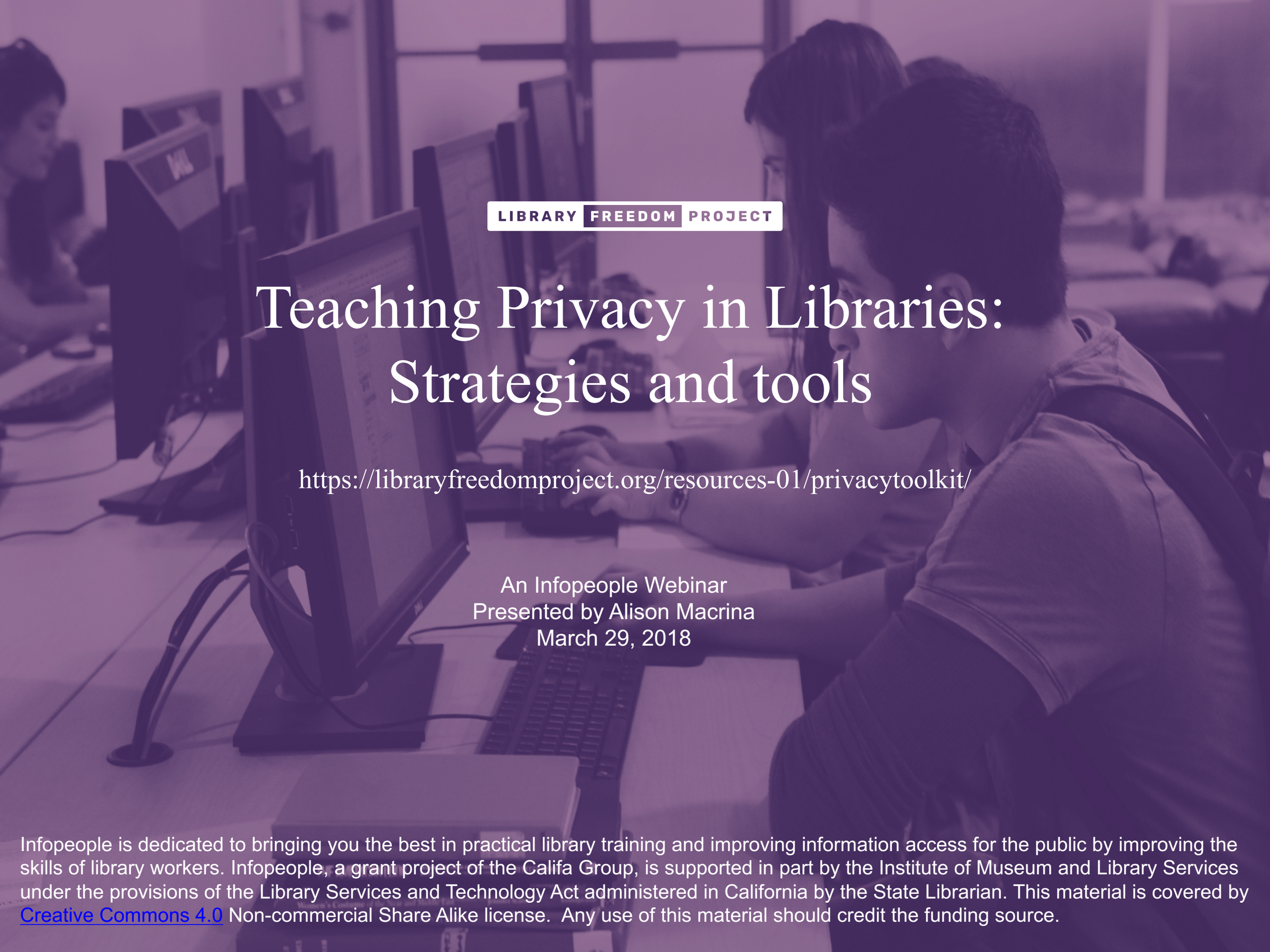

LIBRARY FREEDOM PROJECT

Teaching Privacy in Libraries: Strategies and tools

https://libraryfreedomproject.org/resources-01/privacytoolkit/

An Infopeople Webinar
Presented by Alison Macrina
March 29, 2018

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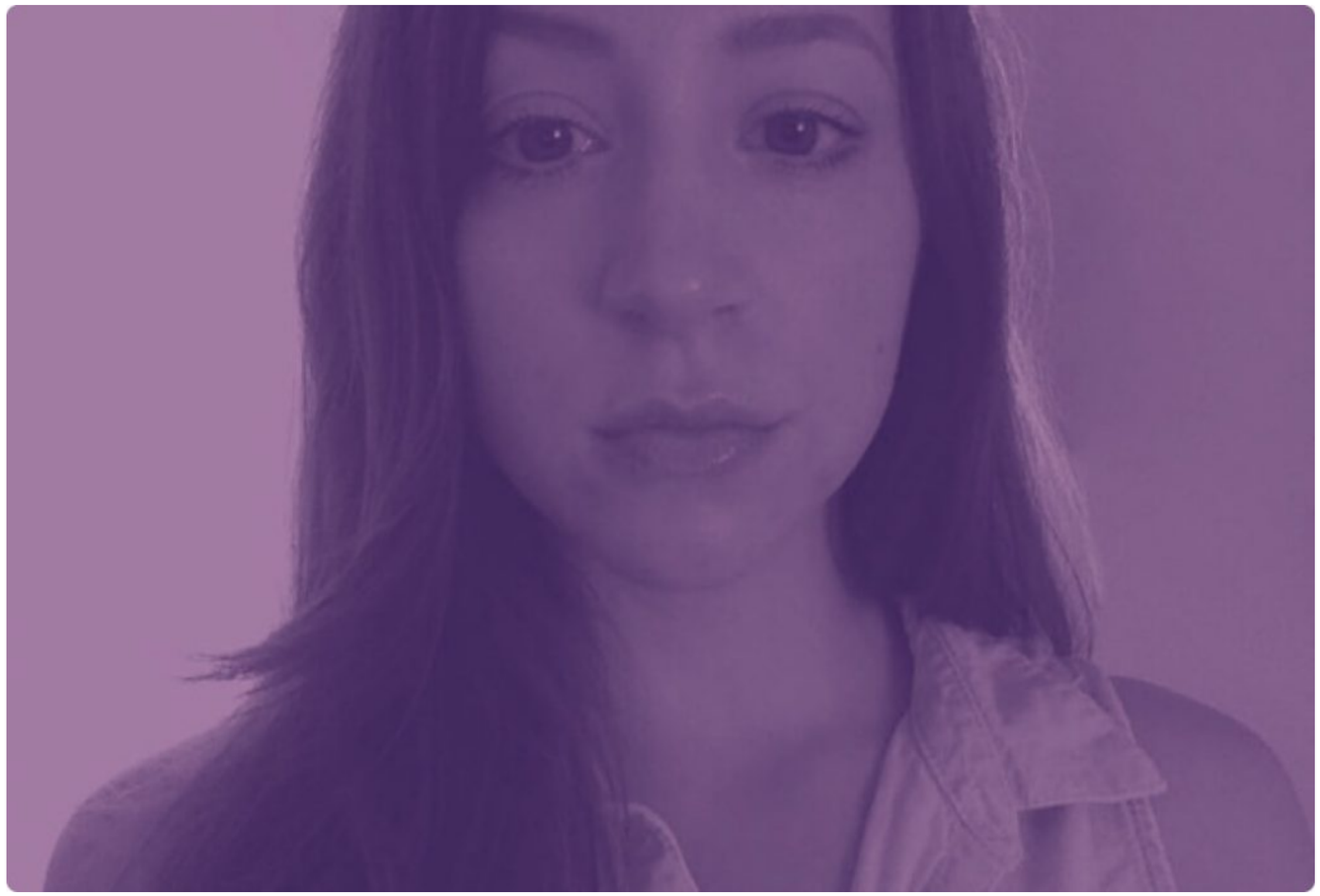


About me

- 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

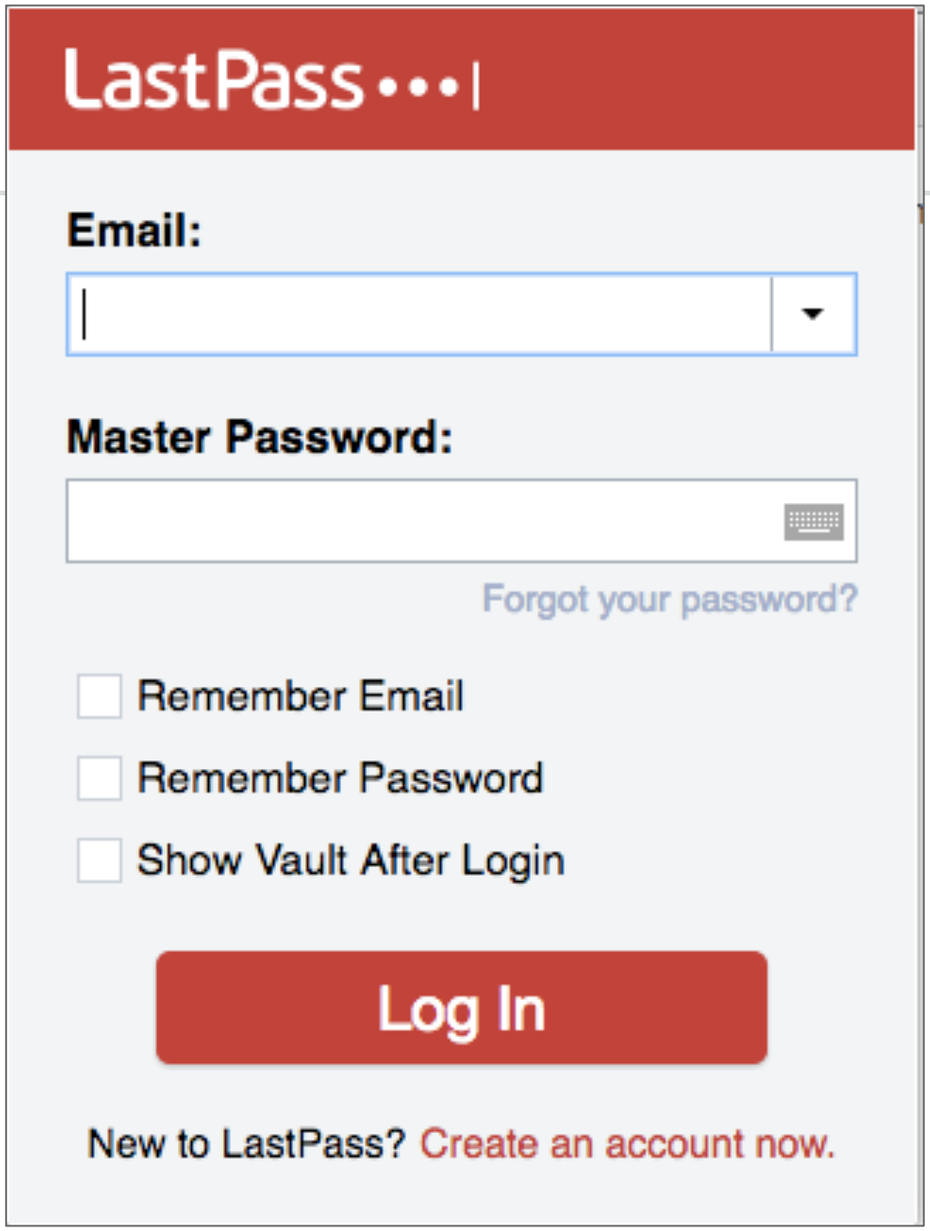
Doxing

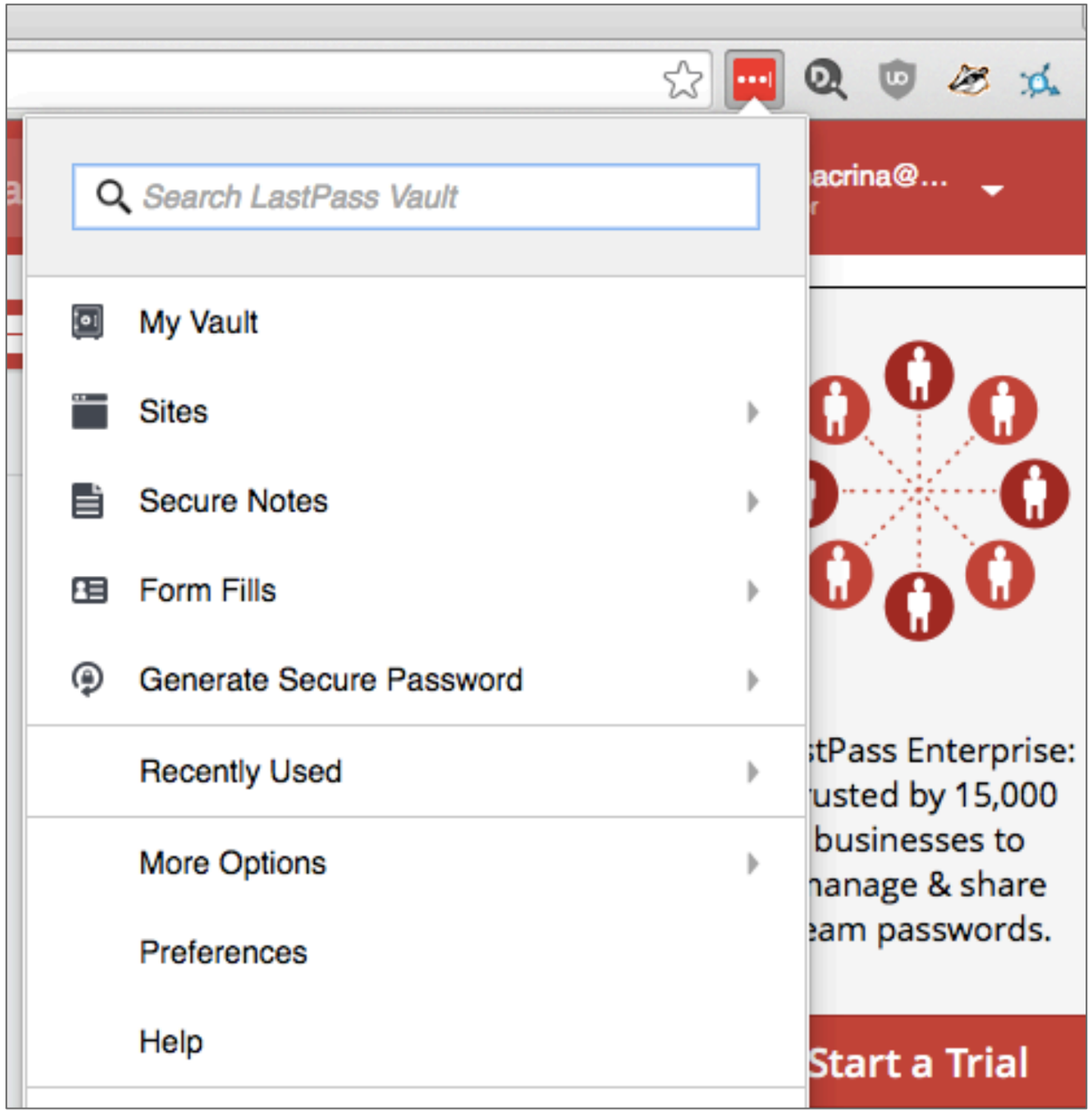
- Doxing is the practice of publishing PII without consent, in order to create chaos
- Remove information from data brokers
- Don’t give PII to social media
- Use strong passwords and endpoint security

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


LastPass
Email:
Master Password:
Forgot your password?
Remember Email
Remember Password
Show Vault After Login
Log In
New to LastPass? Create an account now.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tPass Enterprise:
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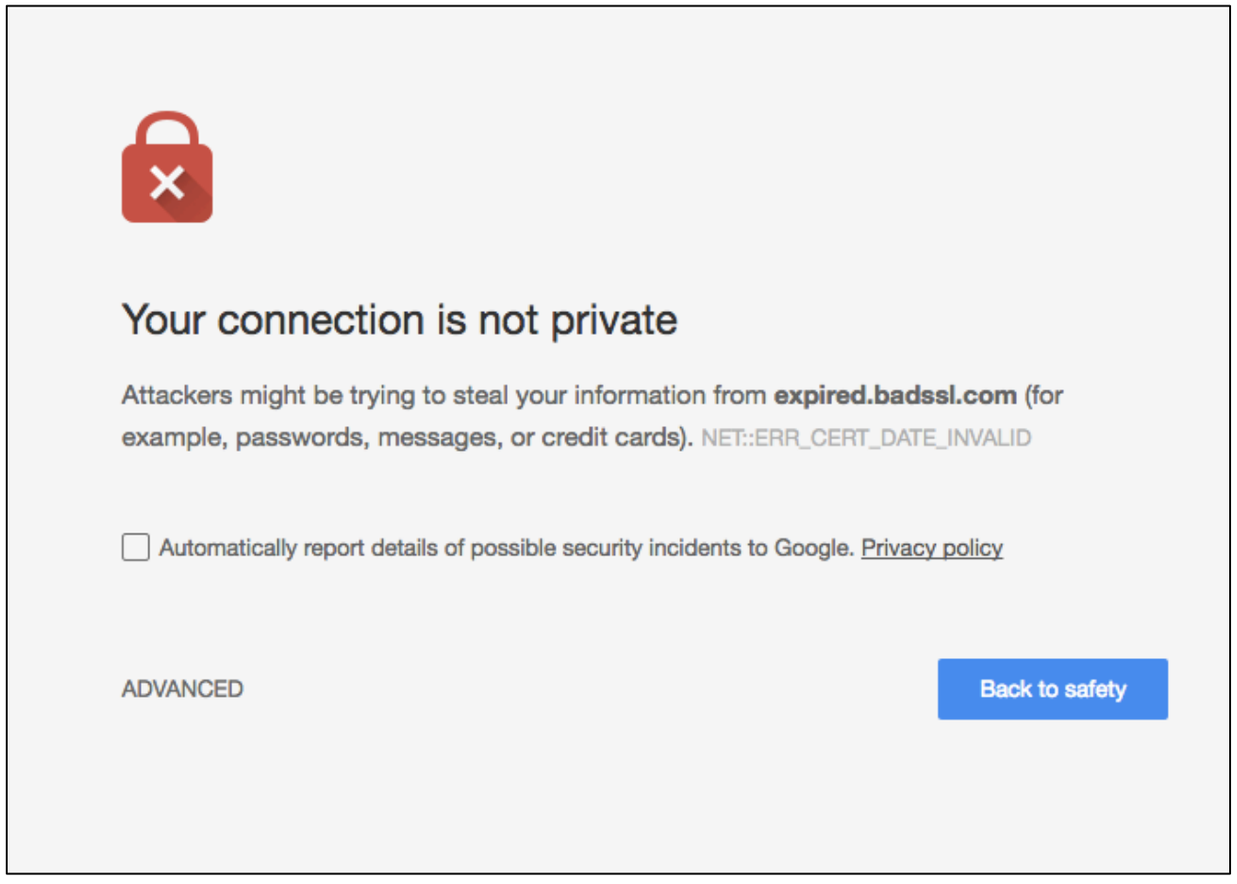
businesses to
nanage & share
eam passwords.
Start a Trial

Browsing (more) safely

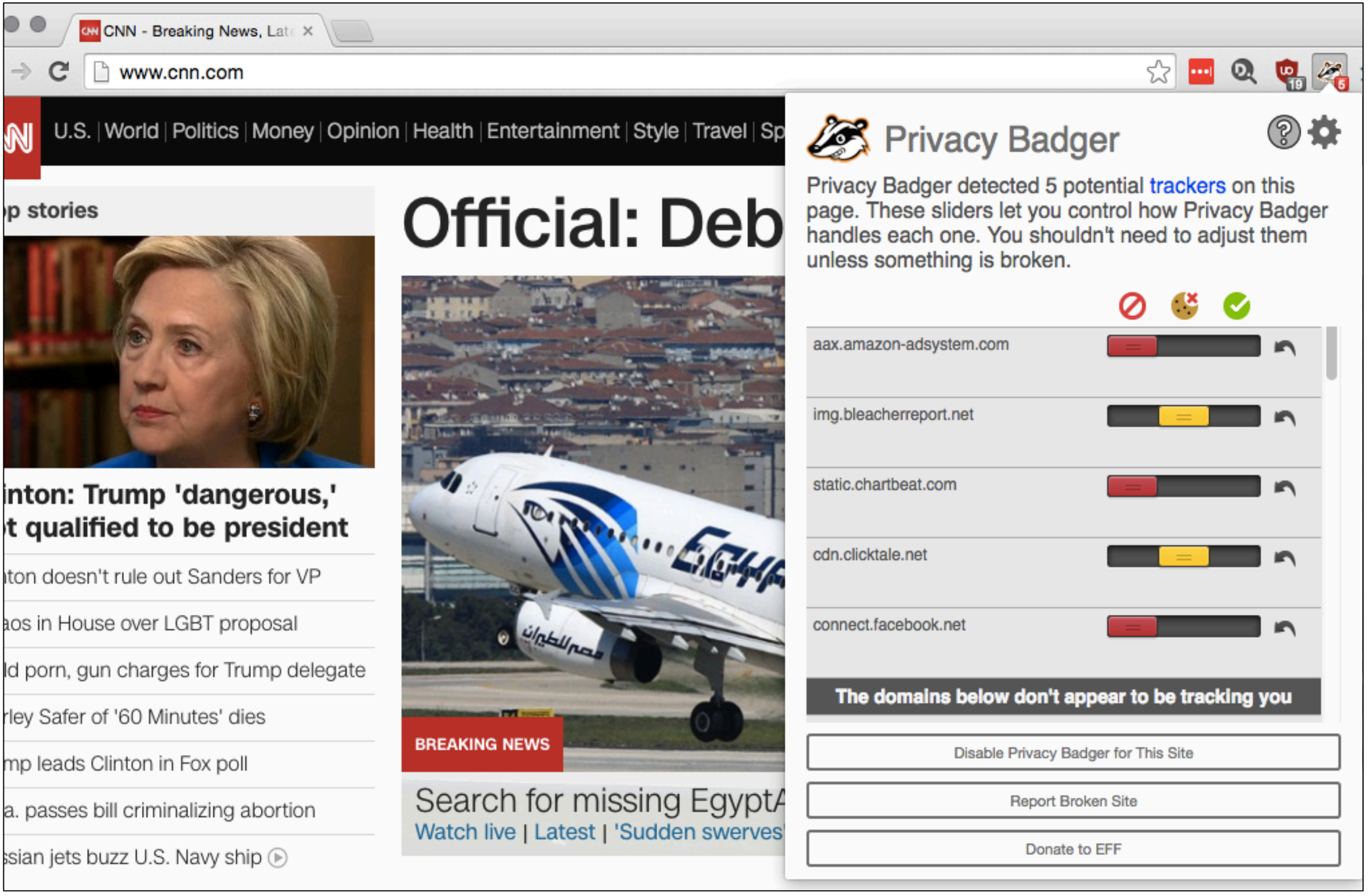
- Problems with web browsers
  - Best options: Chrome or Tor Browser
- Problems with search engines
- The business model of the internet
- Better alternatives exist for desktop than mobile

https://


Your connection is not private
Attackers might be trying to steal your information from expired.badssl.com (for example, passwords, messages, or credit cards). NET::ERR_CERT_DATE_INVALID
Automatically report details of possible security incidents to Google. Privacy policy
ADVANCED
Back to safety

certbot

The web without third-party trackers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ssian jets buzz U.S. Navy ship
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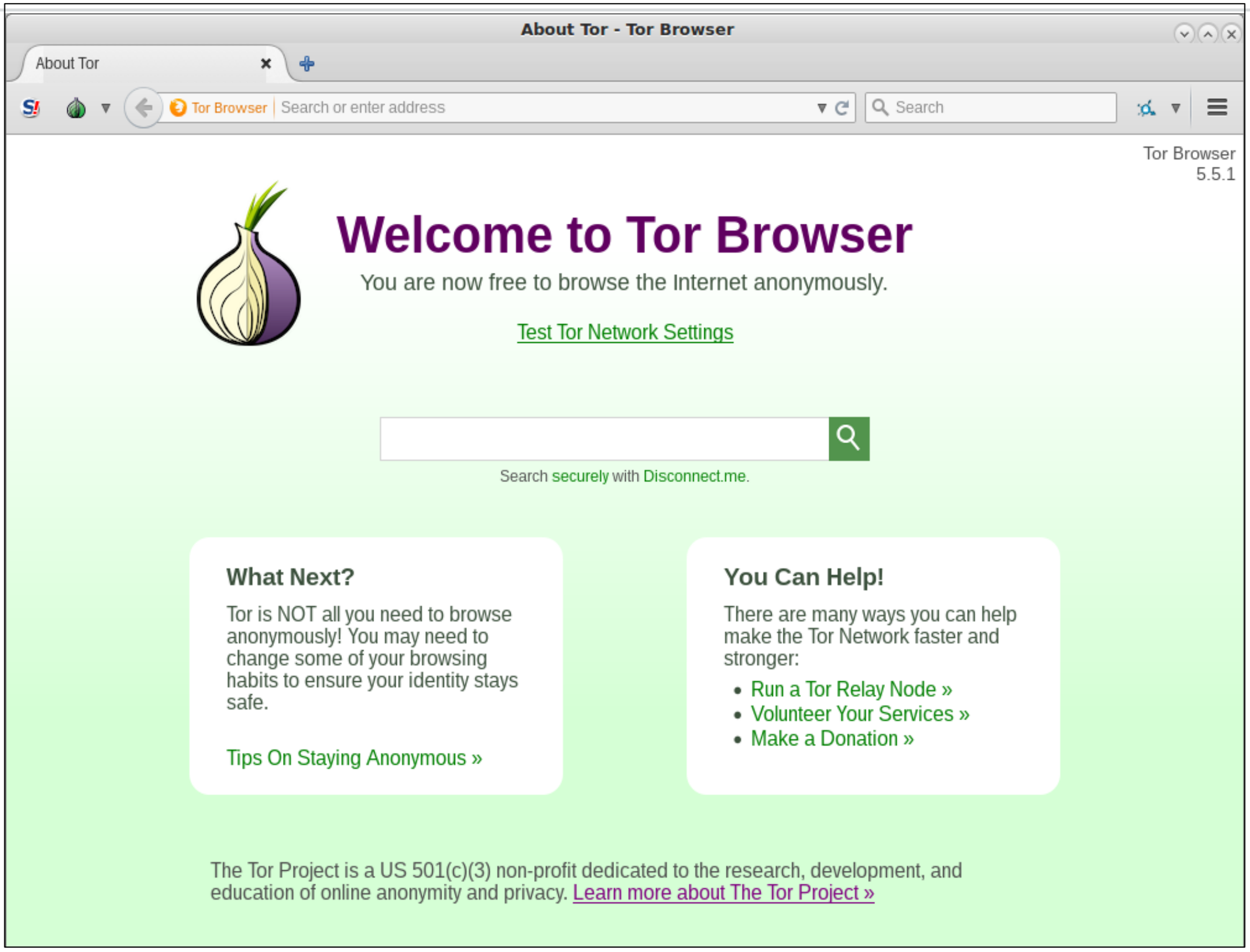
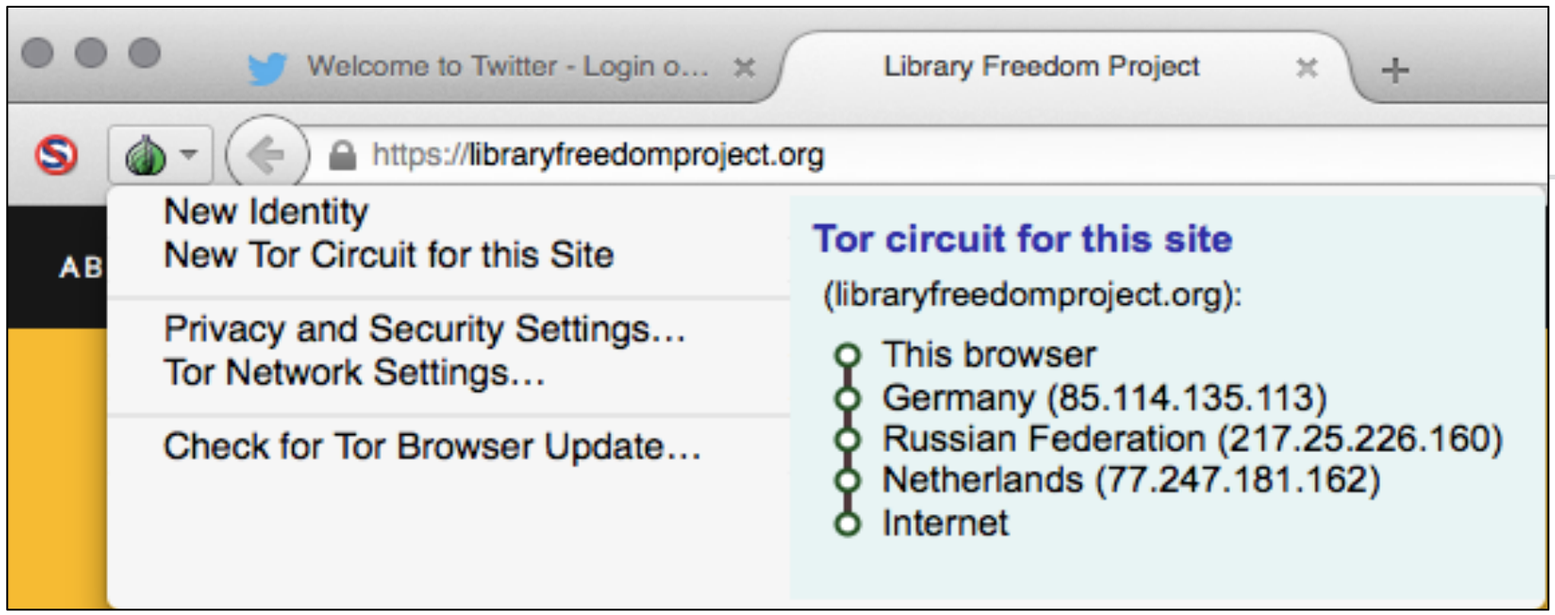
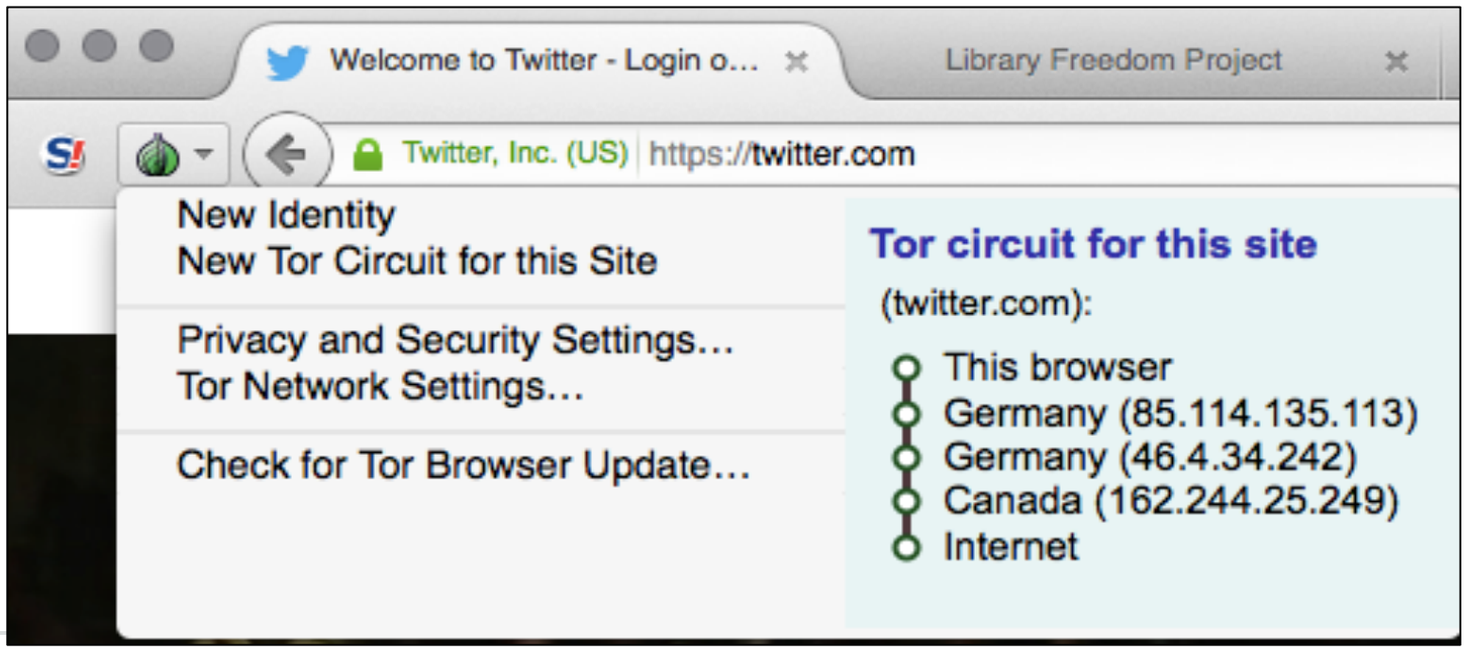
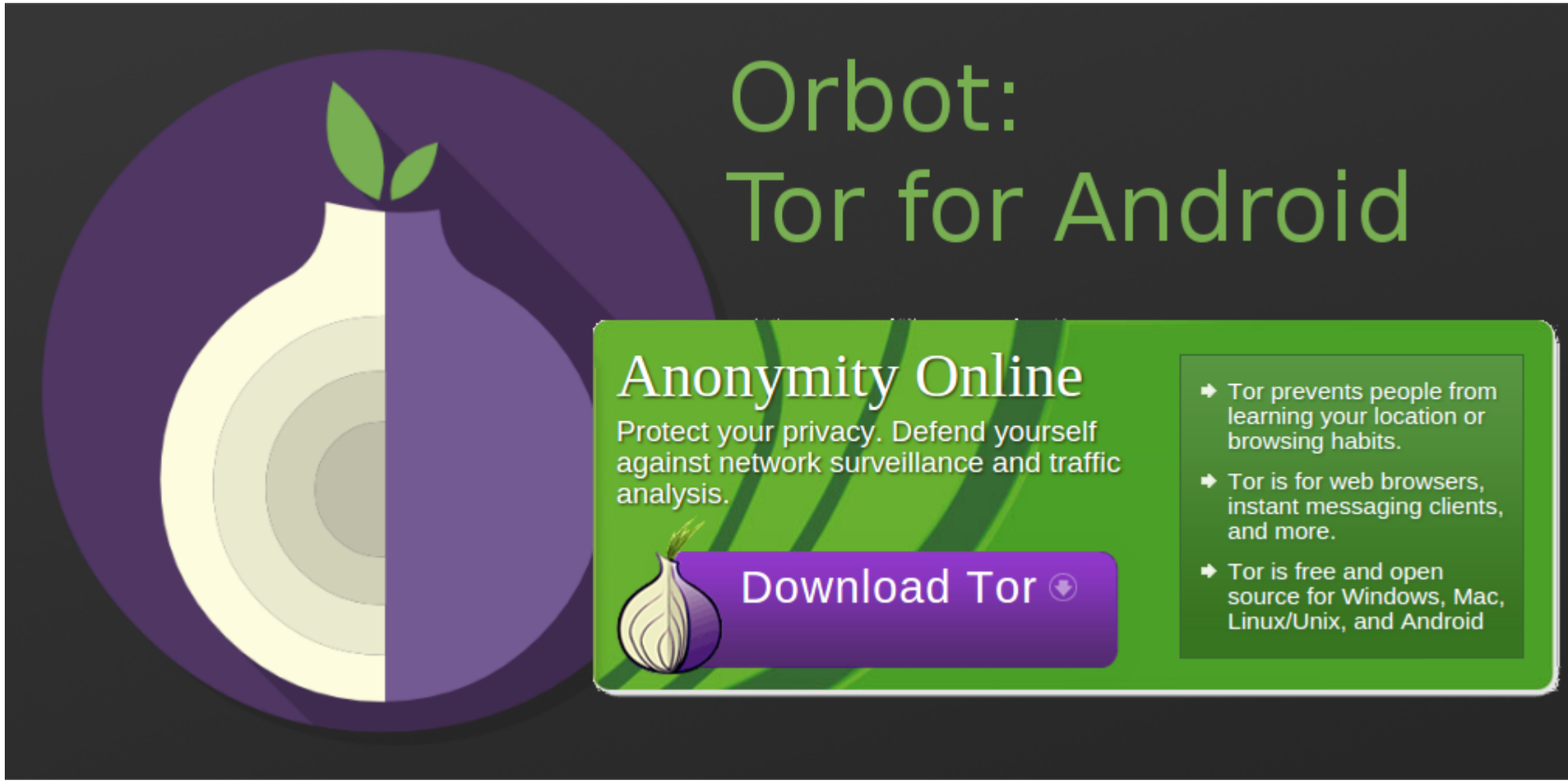
Privacy Badger
Privacy Badger detected 5 potential trackers on this page. These sliders let you control how Privacy Badger handles each one. You shouldn't need to adjust them unless something is broken.
aax.amazon-adsystem.com
img.bleacherreport.net
static.chartbeat.com
cdn.clicktale.net
connect.facebook.net
The domains below don't appear to be tracking you
Disable Privacy Badger for This Site
Report Broken Site
Donate to EFF


About Tor - Tor Browser
About Tor
Tor Browser
Search or enter address
Search
Tor Browser
5.5.1
Welcome to Tor Browser
You are now free to browse the Internet anonymously.
Test Tor Network Settings
Search securely with Disconnect.me.
What Next?
Tor is NOT all you need to browse anonymously! You may need to change some of your browsing habits to ensure your identity stays safe.
Tips On Staying Anonymous »
You Can Help!
There are many ways you can help make the Tor Network faster and stronger:
Run a Tor Relay Node »
Volunteer Your Services »
Make a Donation »
The Tor Project is a US 501(c)(3) non-profit dedicated to the research, development, and education of online anonymity and privacy. Learn more about The Tor Project »



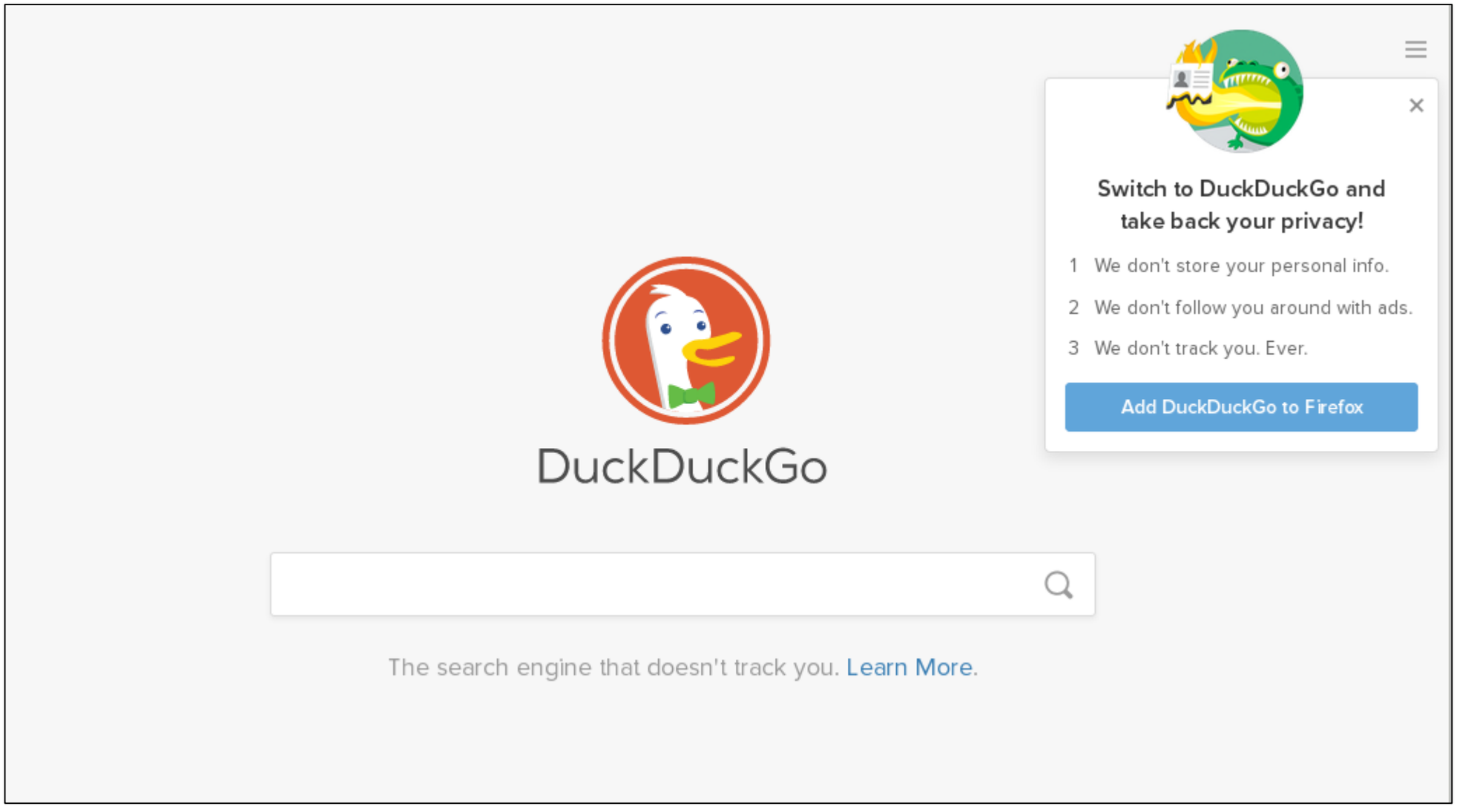
- Obscures your real IP
- Prevents cross-site correlation
- No one can see the websites you visit
- Blocks fingerprinting, cookies, scripts
- Writes nothing to disk





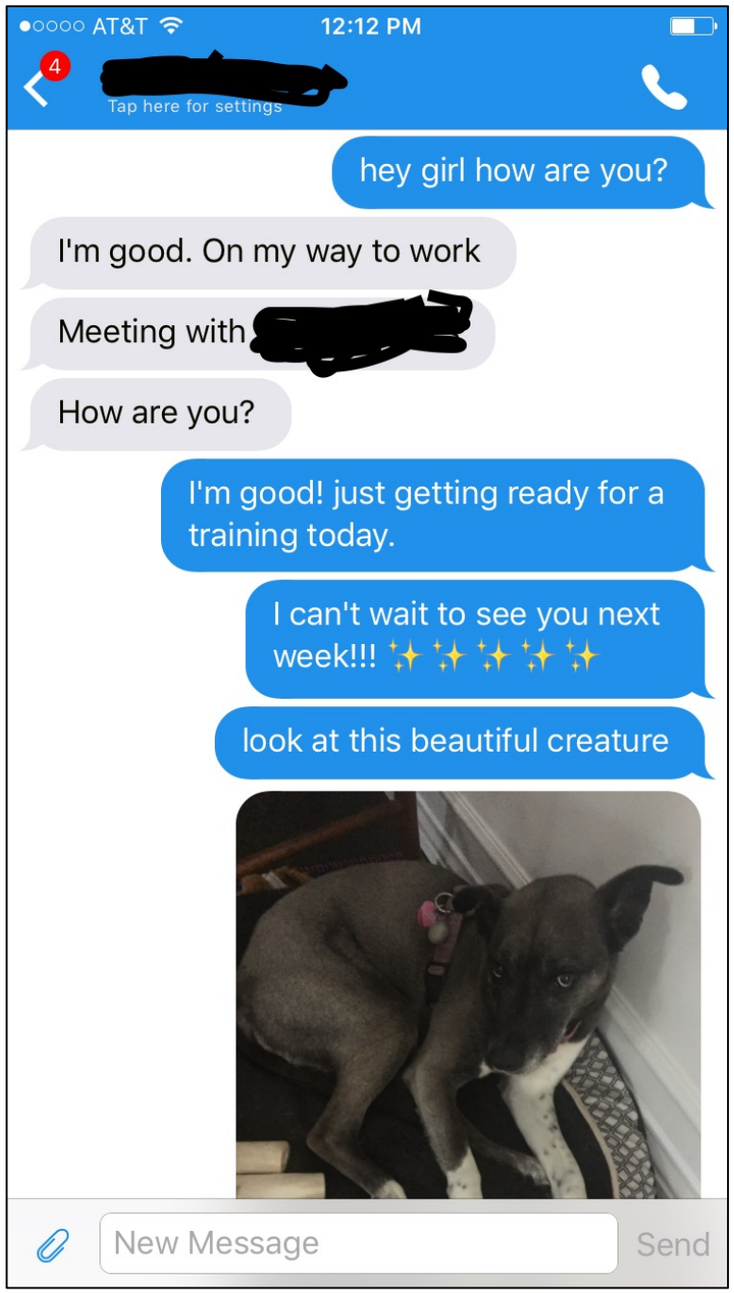
- Orbot and Orweb: free Tor for Android
- No officially supported Tor for iOS
- Onion Browser for iOS is functional if not official!

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?

Alison Macrina
alison@libraryfreedomproject.org