Basic Digital Security
&
Community Organizing Strategies Against Surveillance

Amul Kalia, Camille Ochoa, and Shahid Buttar
Threat Modeling: A way of narrowly thinking about the sorts of protection you want for your data.
Securing Your Communications

End-to-end encryption for texts and voice.
Signal for iOS and Android
Protecting Your Privacy While Browsing

EFF’s Privacy Badger
eff.org/privacybadger
Increasing Your Security While Browsing

EFF’s HTTPS Everywhere
eff.org/https-everywhere
~28 bits of entropy

\[ 2^{28} = 3 \text{ days at 1000 guesses/sec} \]

Difficulty to guess: Easy

Was it Trombone? No, Troubador. And one of the Os was a zero? And there was some symbol... Difficulty to remember: Hard

~44 bits of entropy

\[ 2^{44} = 550 \text{ years at 1000 guesses/sec} \]

Difficulty to guess: Hard

That's a battery staple. Correct!

Difficulty to remember: You've already memorized it

Correct Horse Battery Staple

Through 20 years of effort, we've successfully trained everyone to use passwords that are hard for humans to remember, but easy for computers to guess.
Securing Your Accounts

Passwords are your best friend

• Make them long and secure
• Don't reuse them!
• But how??
• Use a password manager, like the free and open-source KeepassX

keepass.info
EFF’s Surveillance Self-Defense Guide

ssd.eff.org
Automatically enable HTTPS on your website with EFF’s Certbot, deploying Let’s Encrypt certificates.

I’m using Apache on Debian 8 (jessie)

EFF’s Let’s Encrypt Client
certbot.eff.org
Community Organizing Strategies Against Surveillance
Sources of Surveillance

Targeted Surveillance

Dragnet Surveillance

Street Level Surveillance
Community Organizing Against Surveillance

Tactical Public Education

Coalition Building

Policy Engagement at the Local Level

Transparency & Process

Limits on Deployment, Collection, Retention, and/or Dissemination