



Basic Digital Security & Community Organizing Strategies Against Surveillance

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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



ELECTRONIC FRONTIER FOUNDATION eff.org



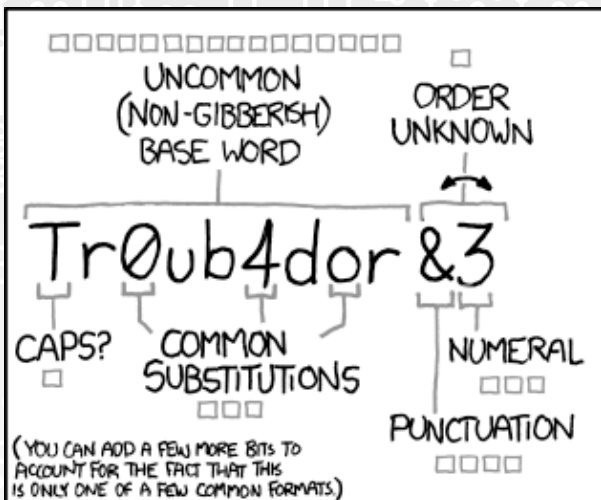


Increasing Your Security While Browsing



HTTPS Everywhere

EFF's HTTPS Everywhere
eff.org/https-everywhere



~28 BITS OF ENTROPY

$2^{28} = 3 \text{ DAYS AT } 1000 \text{ GUESSES/SEC}$

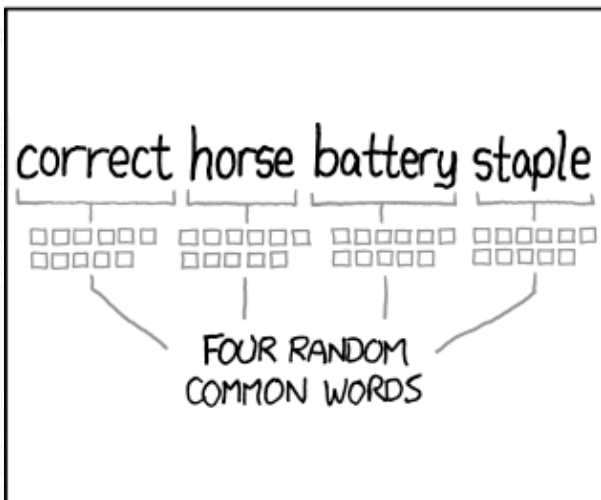
(PLAUSIBLE ATTACK ON A WEAK REMOTE WEB SERVICE. YES, CRACKING A STOLEN HASH IS FASTER, BUT IT'S NOT WHAT THE AVERAGE USER SHOULD WORRY ABOUT.)

DIFFICULTY TO GUESS: **EASY**

WAS IT TROMBONE? NO, TROUBADOR. AND ONE OF THE 0s WAS A ZERO?

AND THERE WAS SOME SYMBOL...

DIFFICULTY TO REMEMBER: **HARD**



~44 BITS OF ENTROPY

$2^{44} = 550 \text{ YEARS AT } 1000 \text{ GUESSES/SEC}$

DIFFICULTY TO GUESS: **HARD**

THAT'S A BATTERY STAPLE.

CORRECT!

DIFFICULTY TO REMEMBER: YOU'VE ALREADY MEMORIZED IT

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

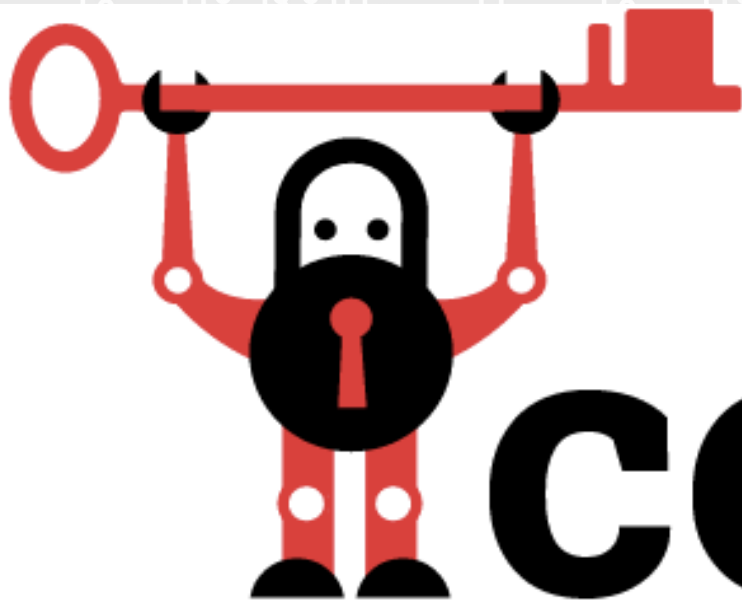
Passwords are your best friend

- 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



certbot

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



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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