



Internet Privacy Toolkit

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0. "threat model"

Understanding what you have to protect yourself from is an important part of this.

CERTAIN

EXPECTED

PROBABLE

POSSIBLE

NOT EXPECTED

1. passwords

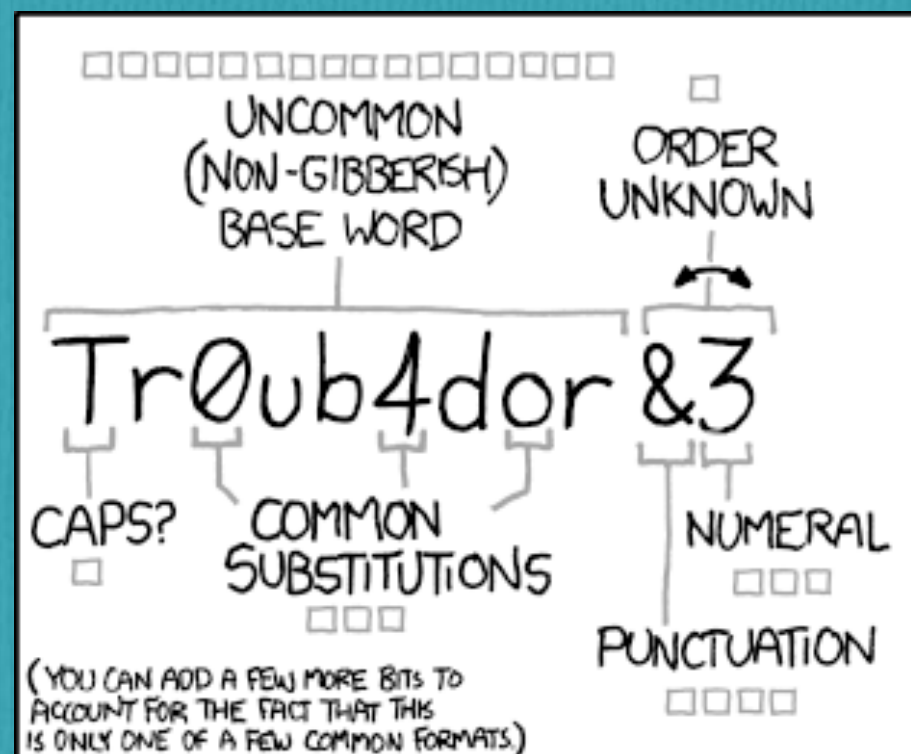
Why are they so complicated?

Is it OK to write them down?

Advanced: password manager.

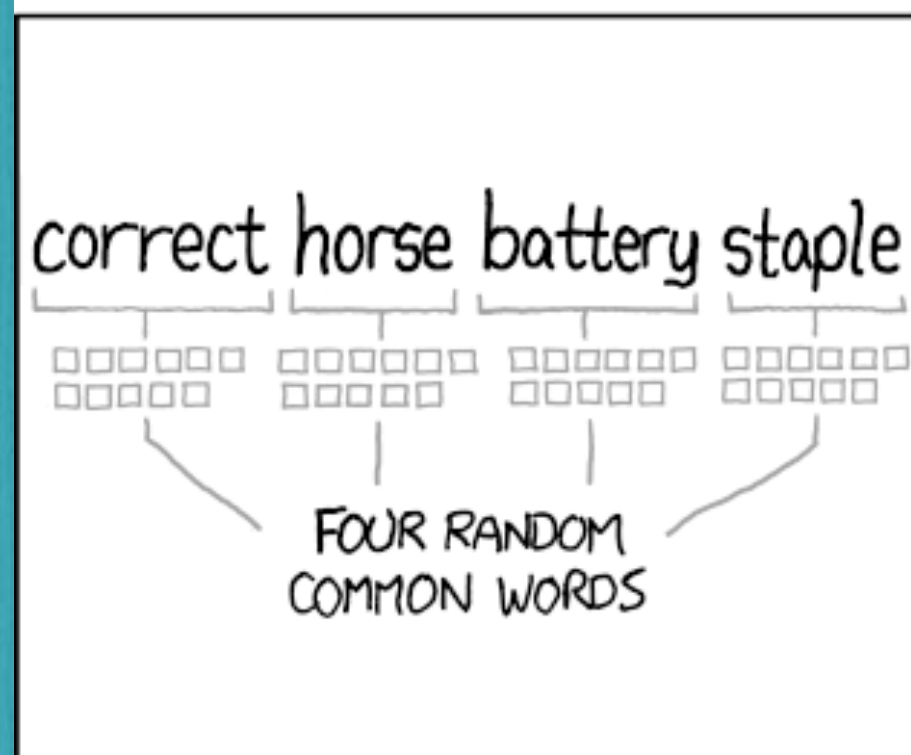
Advanced: two-factor authentication.





~28 BITS OF ENTROPY
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 □□□□
 $2^{28} = 3 \text{ DAYS AT } 1000 \text{ GUESSES/SEC}$
 (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
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 $2^{44} = 550 \text{ YEARS AT } 1000 \text{ GUESSES/SEC}$
 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.

2. internet traffic

Private browsing.

Public wifi.

Online banking/medical stuff.

Look for HTTPS.

Advanced: VPN or TOR.



https://

3. listening & recording devices

If it's not online, it can't spy on you.

Anything that listens for your voice is actively paying attention.

Privacy for guests & others

Siri, Alexa, Google, your tv...



“Please be aware that if your spoken words include personal or other sensitive information, that information will be among the data captured and transmitted to a third party through your use of Voice Recognition,” ”

–Samsung



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4. tracking

Review your browser settings.

Many browser plug-ins can stop this & are simpler to use than you think.

Don't keep all your eggs in the Google basket.





HTTPS://
EVERYWHERE



GHOSTERY



DuckDuckGo

5. trust but verify

Not so much "fake news" as "Where does this news come from?"

Don't click on mystery email links. Don't call numbers you see in pop-ups.

Know how to see where a link goes.

Advanced: tell your friends, report what's wrong.



Bill Evans
American jazz pianist

Available on

-  YouTube
-  Apple Music
-  Spotify
- More music services

William D. Evans is an American jazz saxophonist who was a member of the Miles Davis group in the 1980s and has since led several of his own bands, including Push and Soulgrass. Evans plays tenor and soprano saxophones. He has recorded over 17 solo albums and received two Grammy Award nominations. [Wikipedia](#)

Born: February 9, 1958, Plainfield, NJ

Died: September 15, 1980, Mount Sinai Hospital, New York, NY

Spouse: [Nenette Zazzara](#) (m. 1973–1980)

Children: [Evan Evans](#), [Maxine Evans](#)

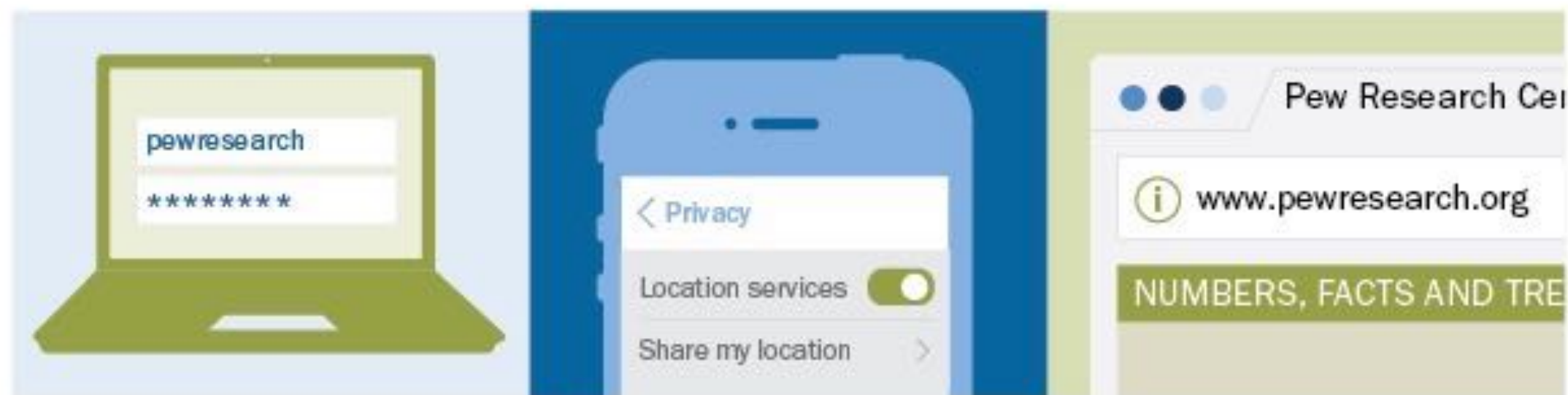
Songs

Waltz For Debby
New Jazz Conceptions • 1957





PLANDEMICMOVIE.COM



How much do you know about cybersecurity?

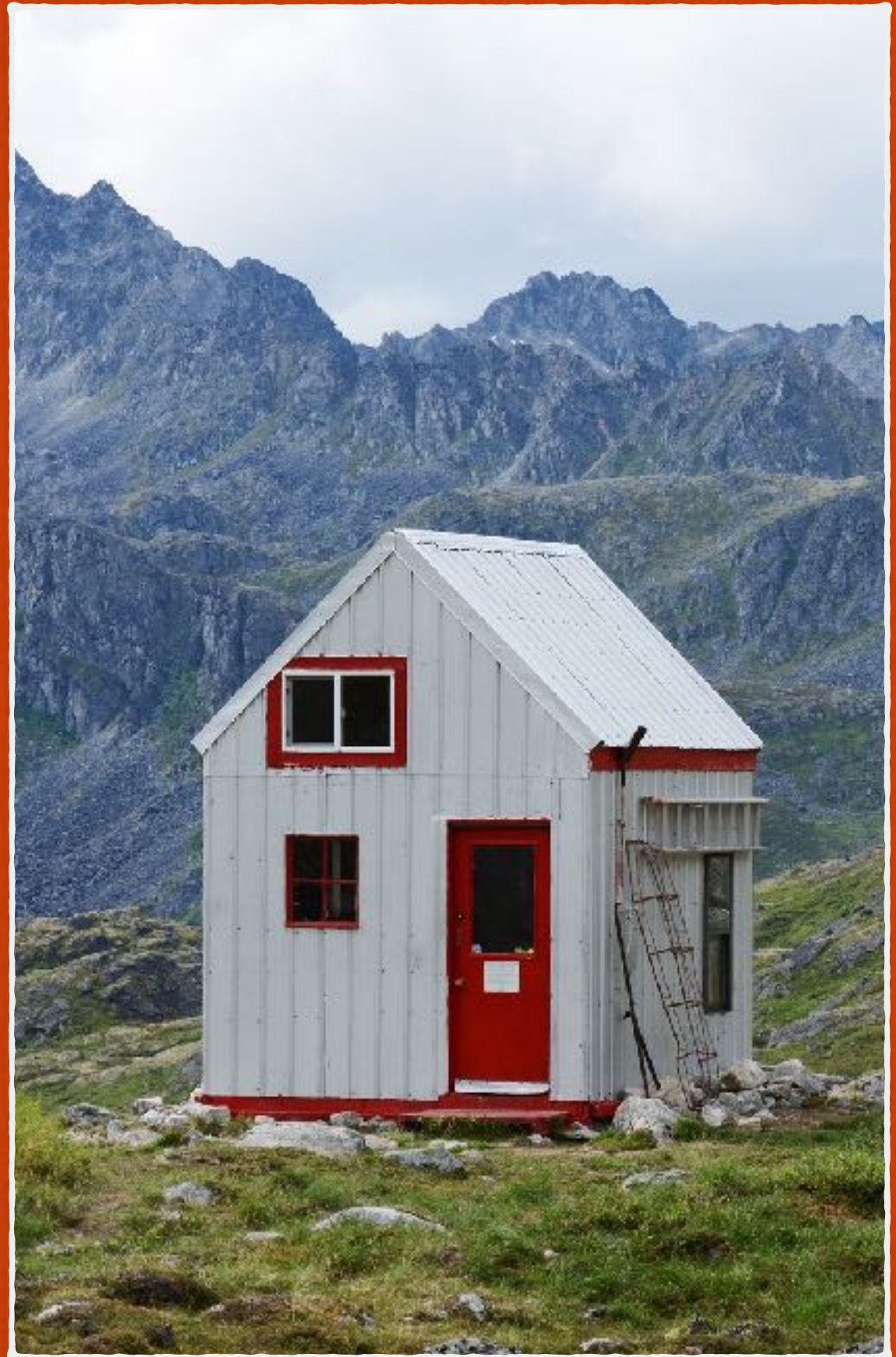
Test your knowledge on cybersecurity topics and terms by taking our 10-question quiz. Then see how you did in comparison with a nationally representative group of 1,055 randomly selected adult internet users surveyed online between June 17 and June 27, 2016. The survey was conducted by the GfK Group using KnowledgePanel.

When you finish, you will be able to compare your scores with the average American and see explanations for the terms and topics in each question. The analysis of the findings from the poll can be found in the full report, "[What the Public Knows About Cybersecurity](#)."

Learn to live with imperfect privacy.

**But don't let that stop you from
trying to do better.**

**Help people feel good about making
informed privacy choices.**



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people who can help.

jessamyn@gmail.com



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