

Staying Safe on the Internet



SIR Branch 59

April 21, 2021



Fraud Watch Network

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alanbaker.net/stayingsafe.pdf

Why do criminals hack computers and phones?



Bank robber Willy Sutton quipped, “That’s where the money is.”

- Identity theft
- Extortion
- Use your computer resources



Attacks and Prevention

Attack Method	Prevention
31% Phishing	1. Recognize phishing
30% Software vulnerabilities	2. Update your software
29% Passwords	3. Strong unique passwords
10% Other	



Phishing (Social Engineering)

91% of cyber attacks begin with phishing.

The phisher wants to trick you into doing something.

- Give personal information
- Open a poisoned link or attachment
- Give access to your computer

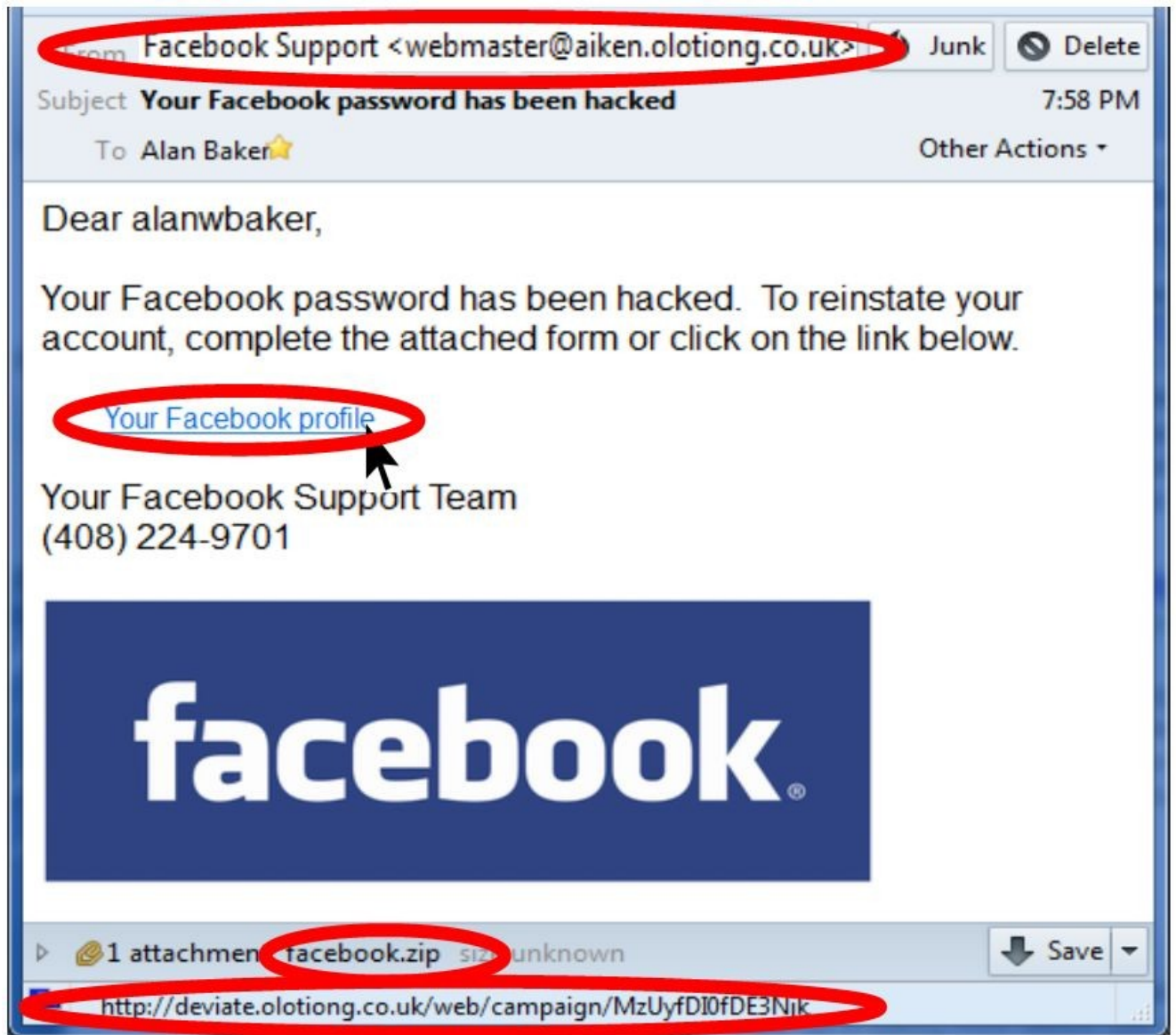


A Phishing Email

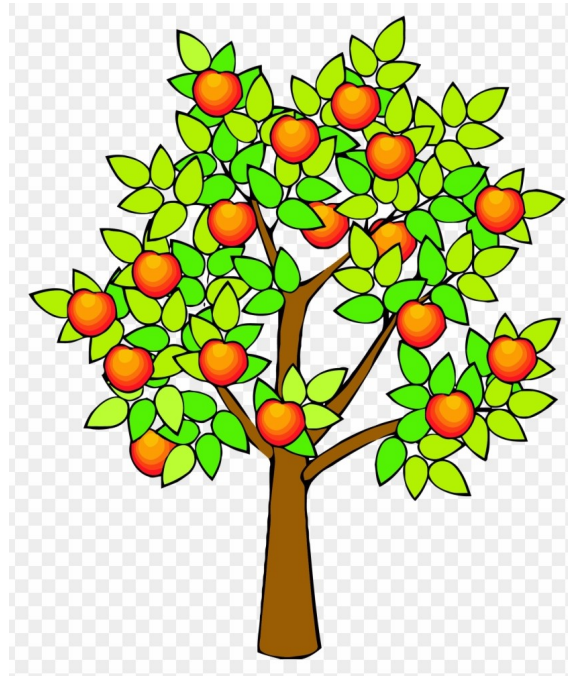
From address?

Link?

Attachment?



Questions?



Software updates

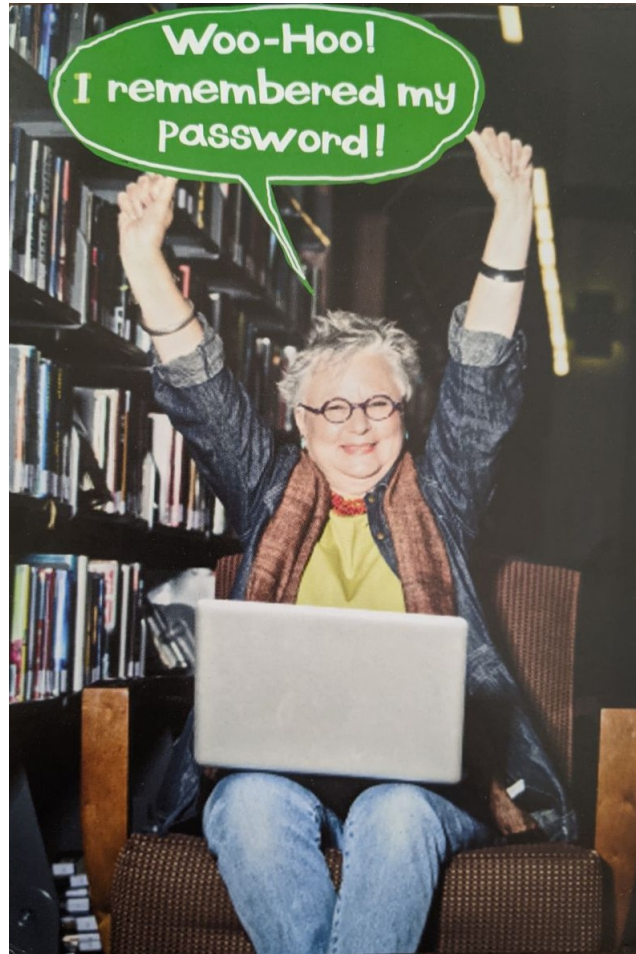
- Equifax Credit Bureau breach
- The race between you and the bad guys
- What if no auto-update mechanism?
- All your devices



Questions?

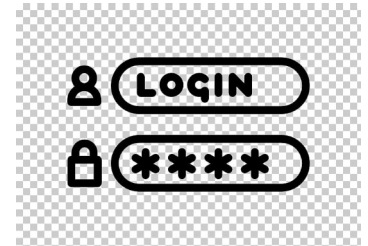


Passwords



Passwords and Scripts

- password
- p4\$\$w0rd
- Qh6r9K!Pz3X
- correcthorsebatterystaple



Password Helpers

- Password manager (keychain)
 - Fills strong passwords into websites
 - LastPass, Bitwarden, Dashlane



- Two-factor authentication
 - Something you have, know, or are
 - ATM card + pin
 - Password + text message



Attacks and Prevention

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**THINGS
TO DO**

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