C:\> A BEGINNER'S GUIDE TO THWARTING HACKERS

BROUGHT TO YOU BY PasswordGenie

WHY ARE PASSWORD STOLEN?

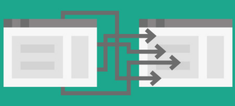
* FOR PROFIT
The majority of security breaches are orchestrated by criminal gangs with profit in mind

* LEVERAGE
Passwords taken from lesser priority sites are used to log into large financial sites like Pay-Pal and bank webpages.

*"HACKTIVISTS"
Groups that have the goal of embarrassing, exposing, or intimidating targets, often being large corporations

POTENTIAL USES OF BREACHED PASSWORDS:

1. RAINBOW TABLES
Updating "rainbow tables", extensive databases used for cracking encrypted passwords



2. REUSE
Trying out cracked email/password combinations on other sites to access financial or social media accounts

3. "SPEAR PHISHING"
Sending malware or spyware through an email that appears legitimate. Often appear to be from banks, friends or colleagues

HOW ARE PASSWORDS STOLEN?

* Guessing – Using personal information found online to guess

⚠ DON'T USE PERSONAL IDENTIFYING INFORMATION WHEN CREATING A PASSWORD

* Dictionary-based – Running every word in a dictionary or word list

⚠ DON'T USE ACTUAL DICTIONARY WORDS, EVEN IN FOREIGN LANGUAGES

* "Brute Force" - Programs try every combination of keystrokes in tandem with a user name

⚠ USE LONG PASSWORDS WITH UPPER AND LOWER CASE LETTERS, NUMBERS, AND SPECIAL CHARACTERS

* Phishing – Tricking users into providing personal information through legitimate seeming IMs or emails

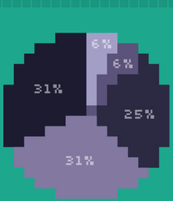
⚠ DON'T CLICK SUSPICIOUS LINKS OR PROVIDE PERSONAL INFORMATION UNLESS YOU TRUST THE SOURCE

* "Sniffer"–can read a user's keystrokes.

* "Shoulder surfing" – Hacker waits around an internet café or library to watch users enter user name and password into various websites.

THE WORST SECURITY BREACHES IN HISTORY

COMPANIES	AMOUNT OF PEOPLE AFFECTED
VISA MASTERCARD 2005	40 MILLION PEOPLE
Aol. (AUG.) 2006	650,000 PEOPLE
TJX (DEC.) 2006	94 MILLION PEOPLE
MONSTER 2007	1.3 MILLION PEOPLE
GAWKER 2010	1.3 MILLION PEOPLE
EPSILON (MAR.) 2011	60 MILLION PEOPLE
RSA (MAR.) 2011	40 MILLION PEOPLE
(APR.) 2011	77 MILLION PEOPLE
(JUN.) 2012	6.5 MILLION PEOPLE
(JUN.) 2012	1.5 MILLION PEOPLE



WHAT WAS HACKED:

31% Passwords
31% Personal Info
(Names, addresses, phone numbers, email addresses)
25% Financial Info
(Credit card numbers, verification and account numbers)
6% Social Security Numbers
6% Corporate & Government Account Access Information

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Available at the Google play store