

CYBERSECURITY AWARENESS MONTH

PASSWORD PROTECTION

October 2022

“

Treat your password like your toothbrush. Don't let anybody else use it, and get a new one every six months.

”

– Clifford Stoll



DID YOU KNOW?

51%
of people use
the same
passwords for
work and
personal
accounts

23M
account
holders still
use the
password
"123456"

555M
stolen
passwords
can be
found on the
dark web

THE TRUTH ABOUT PASSWORDS

THE FACTS...

- Can't live with them, Can't live without them!
- Sometimes we change them, Sometimes we don't!
- We even go ahead and use the same password for most of our accounts.

COMMON MISCONCEPTIONS!

- No one will guess the combination name of my dog, child, and date of birth – Wrong!



See my
password
on the back
side



THINK YOU CAN OUTSMART A HACKER?

- Most passwords are 8 characters, 1 numeric character and 1 symbol.
- We create simple passwords to make it easier for us to remember, but simple translates to **weak**.
- We often secure our most valuable data with passwords that may not be easy to guess by humans, but **easy to crack by computers**.
- 50% chance that a password has at least one vowel.
- **Numbers** are placed at the end of the password
- Statistics show women use **personal names** (family, friends, pets, etc.)
Men use their **hobbies** (sports team, favorite player, etc.)
- Most common symbols used are: !?@\$%&#~

IF WE KNOW THIS...THEN HACKERS KNOW THIS!

TOP 5 PASSWORDS FROM 2022

- 1. 123456** (2.5M exposed, cracked in less than a second)
- 2. 123456789** (960K exposed, cracked in less than a second)
- 3. Picture1** (362K exposed, cracked in 3 hours)
- 4. Password** (360K exposed, cracked in less than a second)
- 5. 12345678** (322K exposed, cracked in less than a second)

Source: NordPass

BREACHED PASSWORDS IN 2022

- 1. Qwerty** (157K exposed, cracked in less than a second)
- 2. Pokemon** (37K exposed, cracked in less than a second)
- 3. Trustno1** (18K exposed, cracked in 3 hours)
- 4. Letmein** (17K exposed, cracked in less than a second)
- 5. Passw0rd** (16K exposed, cracked in less than a second)

Source: NordPass

WHAT YOU CAN DO TO PROTECT YOUR PASSWORDS

- Do not share your password, even with family members.
- Do not use same password across multiple sites.
- Do not save your password to your browser.
- Do not write down your password or store passwords in a document.
- Make passwords easy to remember but hard to guess.
- Use phrases, such as, idoNOTlikegreenEGGS@ndh@m
- Use a Password Manager tool.
- Activate Multi-factor Authentication wherever possible

CREATE A PASSPHRASE

PASS-PHRASES

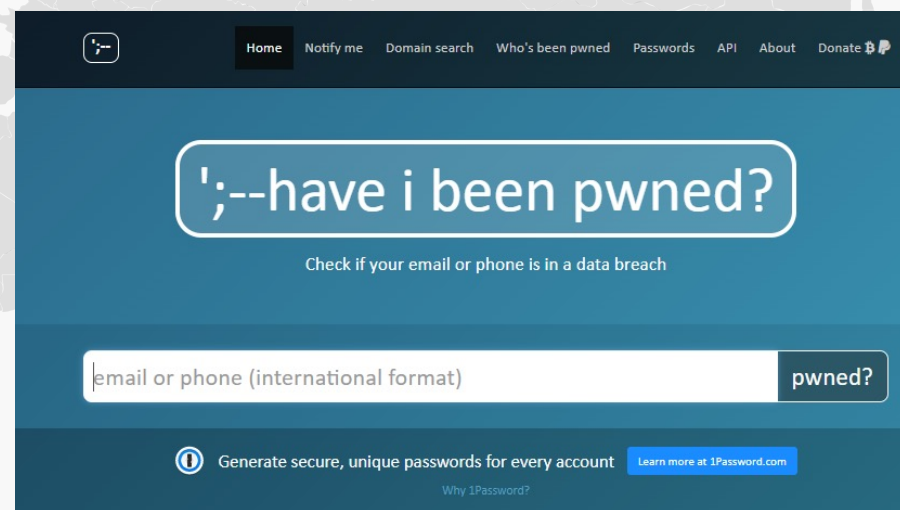
- That's right. Go for that lyric you enjoy... even better, go for that lyric you sang wrong for half your life.
- Remember, sometimes a longer password (inwe\$tPhiladelphiab0rn&raised...) are better than complex, short passwords (Fr3shPrince!— by the way, that's still a decent password).

WHY?

- The reason is because automated password-cracking botnets (internet-connected devices aka super computers used for different types of attacks) can crack 8 letter passwords in about 30 minutes, 10 characters in less than 3 months and you throw in a couple of symbols and numbers, we're looking at a hundred thousands of years to crack.

PASSWORD BREACH?

You can check to see if your email has been compromised by entering your email in the url below. If it has, be sure to change your password associated with that account.



<https://haveibeenpwned.com/>



THANK YOU



Stay Cyber Safe.