



What are cyberattacks?

Cyber attacks are intentional efforts to access computer systems, networks, or devices without permission, aiming to inflict harm, steal information, or disrupt operations. These attacks can be executed by individuals, groups, or government-backed organizations.

Examples of Cyber Attacks

- Malware: Malicious software (like viruses, worms, and ransomware) designed to damage or disable systems
- **Phishing**: Deceptive emails or messages created to trick users into revealing sensitive information.
- Ransomware: Malware that encrypts files and demands a ransom for their release.



How often do Cyber Attacks Happen?



Cyberattacks in the USA are frequent and increasing, with a new attack occurring approximately every 39 seconds according to one study. This translates to an average of 2,244 attacks per day. These incidents consistently target individuals, businesses, and critical infrastructure, highlighting a pervasive threat.

What measures can you take to ensure your safety?



There are various methods to improve online security, but I will focus on three essential practices that I consider vital for staying safe on the internet. Firstly, utilizing a strong password manager along with fundamental cybersecurity awareness is crucial. Secondly, implementing Multi-Factor Authentication (MFA) provides a critical extra layer of defense. Lastly, adopting a zero-trust mindset towards your online actions is essential.

The Importance of Using a Password Manager for Cybersecurity

Strong, Unique Passwords: Generates and stores complex, unique passwords for every account, making it harder for attackers to crack.

Prevents Reuse: Eliminates password reuse, so a breach on one site doesn't compromise others.

Protects Against Phishing: Fills credentials only on legitimate sites, safeguarding against phishing attempts.

Encrypts Data: Securely encrypts your login information, protecting it even if your device is compromised.

Reduces Human Error: Minimizes the risk of human error in creating and managing strong credentials.



Why Multi-Factor Authentication (MFA) is Crucial

Crucial Second Layer: MFA adds an essential extra layer of defense beyond just your password, making your accounts much harder to compromise.

Thwarts Stolen Passwords: Even if cybercriminals steal or guess your password, they can't access your account without your unique second verification step.

Defends Against Phishing: It protects you even if you unknowingly fall for a phishing scam and accidentally reveal your password.

Blocks Unauthorized Access: MFA significantly reduces the risk of anyone but you gaining entry to your sensitive online accounts.

Industry Best Practice: It's widely recognized and recommended as one of the most effective and accessible security measures available today.



Trust No One Verify Everything

Verify Everything You See: Don't automatically trust emails, texts, or links. Always double-check senders and legitimacy before clicking or sharing any personal info

Limit App Access: Only give apps and services the absolute minimum permissions they truly need on your devices and accounts.

Monitor Your Digital Life: Regularly check your accounts (bank, email, social media) for any suspicious activity. Set up security alerts.

Assume Compromise is Possible: Always act as if a breach could happen. Use strong, unique passwords (with a manager) and enable multifactor authentication everywhere.

Proactive Protection: This approach empowers you to build a stronger personal defense against evolving online threats.



What to do during a Cybersecurity Attack.

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If you suspect a cybersecurity attack, disconnect the affected device from the internet to prevent further damage. Change all passwords, prioritizing important accounts like email and banking with strong, unique options. Report the incident to your bank and relevant services, and if necessary, to law enforcement or your IT team. After addressing the threat, clean your system and recover lost data from backups. Lastly, review the situation to enhance your digital security and avoid future issues.

Your Role in Cybersecurity

Cybersecurity isn't just an IT problem; it's a shared responsibility. You have the power to protect yourself and contribute to a safer online environment.

Cyberattacks are a constant threat, but you have the power to protect yourself and your data. It's time to move from awareness to action.

Implement a Password Manager: Generate and store strong, unique passwords for every account.

Enable Multi-Factor Authentication (MFA): Add that essential second layer of security to all your critical accounts.

Adopt a Zero-Trust Mindset: Verify every request, limit access, and assume nothing is inherently safe.

Be Prepared: Know the immediate steps to take if you suspect you've been a victim of an attack.

Stay Informed: Cybersecurity threats evolve, so continue to learn and adapt your defenses.

Protect Your Self. Protect Your Data. Be Cyber Smart!

