

Cyber-Security Threats

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What is Cyber-Security?



Cyber Security is the protection of:

- computers
- networks
- online accounts
- confidential data

Cyber Security Threats are dangerous, because they can cause:

- loss of personal data
- financial losses
- identity theft
- disruption of critical services

Malware is malicious software designed to harm computers.

Types of malware:

- Viruses – spread between files
- Worms – spread through networks
- Trojans – look like normal programs
- Ransomware – locks data and demands money

Phishing is a social engineering attack.

Attackers:

- send fake emails or messages
- pretend to be banks, companies, or friends
- try to steal passwords or credit card data

Weak passwords, human factor



Common problems:

- weak or repeated passwords
- clicking suspicious links
- sharing personal information online

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Examples:

- DDoS attacks – overload servers and websites
- Man-in-the-middle attacks – intercept communication
- Hacking public Wi-Fi networks

AI-based Cyber Security Threats



- AI-powered phishing
- Deepfakes

How can we protect ourselves?



Basic protection methods:

- strong and unique passwords
- two-factor authentication
- antivirus software
- software updates
- caution with emails and links

Conclusion



- Cyber-security threats are real and growing
- Everyone can be a target
- Awareness and good habits are key

The end.



The end.