
Tips to Keep Your Devices Secure

Presented by:

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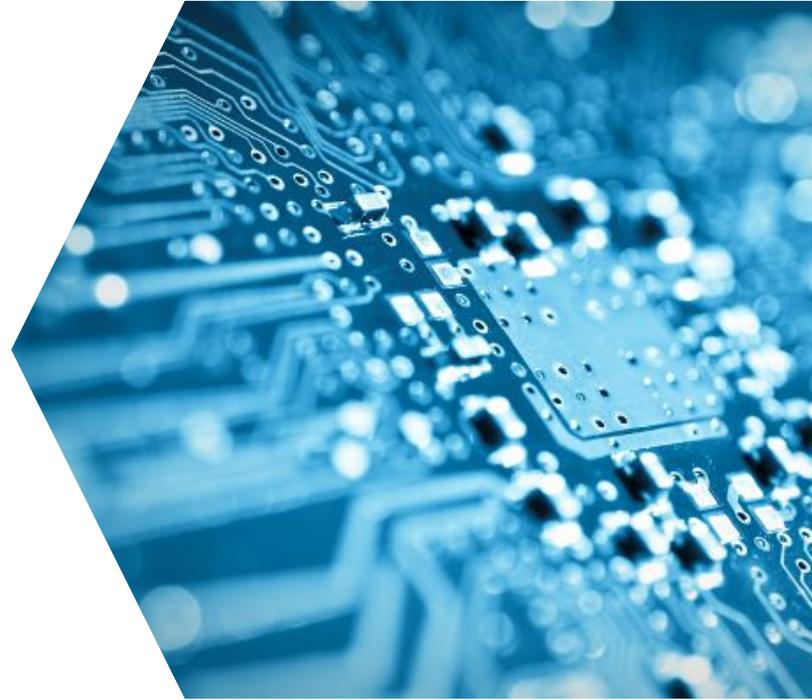
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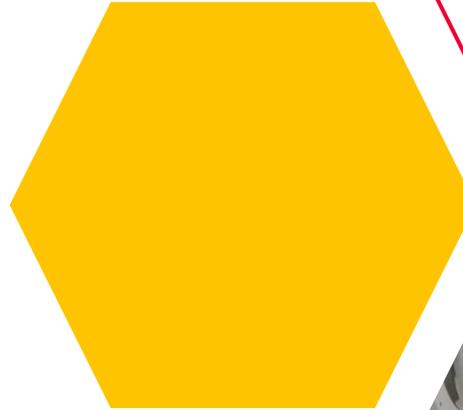
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The Internet Of Things

- Computers
- Phones
- Appliances
- Smart Devices
- Locks
- Cameras
- Baby Monitors
- Etc.



Cybercrime Statistics

- 2015 - \$3 trillion
- 2025 - \$10.5 trillion
- Country of Cybercrime - Third largest economy in the world
- Detection and persecution as low as 0.05%
- The Deep Web - 5,000 times larger than the surface web

**Morgan, 2021*



How to Secure Devices

- Use strong passwords
- Evaluate your security settings
- Connect carefully
- Limit user access

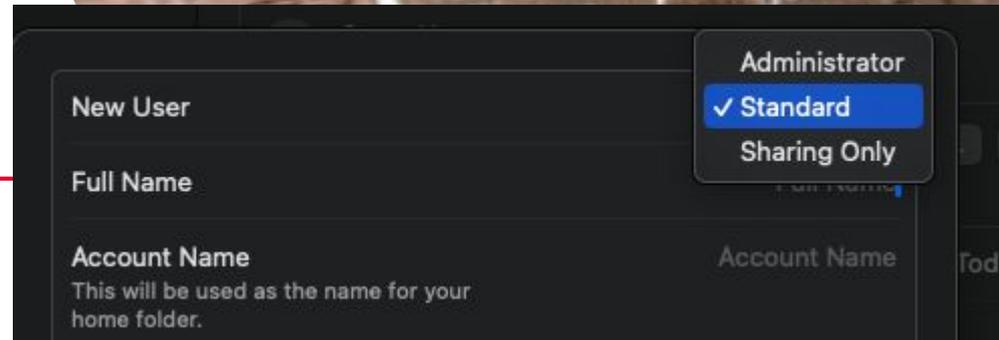
**Securing New Devices: CISA 2023*



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*Securing New Devices: CISA 2023



Cyber Hygiene - What is it?

Cyber hygiene addresses common problems that can compromise your cybersecurity. By maintaining good cyber hygiene, you'll be able to bypass these avoidable issues:

- Security breaches from phishing, malware, and viruses.
- Data loss from hacking or corruption.
- Old software that is more vulnerable to online attacks.
- Out-of-date antivirus and malware software that provides less effective protection.



Additional Security Habits

- Use password managers and multi-factor authentication
- Use unique accounts per device
- Choose secure networks
- Be suspicious of unexpected or suspicious emails



Real-Time Attack Demonstration

Presented by Caine Munro, Baker College Adjunct Faculty





Attack Breakdown

- Targeted an unlocked and accessible laptop.
- USB stick appears as a keyboard to the computer.
- Collected Windows user account hashes and Chrome browser plaintext passwords.
- Collected info was passed to the attacker's Discord server.



Demonstration Question

What could have prevented this attack or thwart the attacker even if they got ahold of account credentials?

- Do not leave the computer unattended
- Lock the computer before walking away
- Use multi-factor authentication
- Run as a standard or limited user

“What if I’ve Been Hacked?”

- Secure your devices
- Monitor your bank accounts
- Freeze your credit report
- Report the fraud
- Document everything
- Request a reverse wire transfer
- Recover from a backup



Questions & Answers



Thank you!



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