

Security Assessment

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Home Network Security Assessment

- Goal: Identify potential vulnerabilities in a home network setup.
- Activity: Analyze a diagram of a typical home network and identify potential weaknesses (e.g., weak Wi-Fi passwords, outdated router firmware, unsecured IoT devices).

Brainstorm solutions and present their findings.

- Draw a Diagram of a typical home network (including modem, router, computers, smartphones, IoT devices).

Phishing Email Simulation

- Goal: Ability to recognize and avoid phishing scams.
- Activity: Create a series of realistic-looking phishing emails and have other team analyze them to identify red flags (e.g., suspicious links, urgency, requests for personal information). Discuss how to respond to such emails safely.
- At least 2 emails per member

Password Strength Testing

- Goal: Demonstrate the importance of strong passwords and password managers.
- Activity: Use a password cracking tool (there are safe, educational ones available) to demonstrate how quickly weak passwords can be compromised. Then, create strong passwords and explore password manager options.
- Tips: explore it in Kali-linux

Presentation

- Presentation: should be in english
- Present your findings in a clear and concise format.
- Include visuals (e.g., diagrams, charts) to enhance your explanation.
- Be prepared to answer questions and engage in discussions
- 1 topic for 2 groups so the presentation material must be different