Sri Lanka Institute of Information Technology
Introduction to Cyber Security
Lab Sheet 4
Year 2, Semester 1

Learning the Details of Attacks

Part 1 - Identification of Vulnerabilities, Threats & Risks

1. This exercise is to be carried out individually and you may write down your answers in a Word document.

2. Go to the website: https://thehackernews.com/

3. Explore the 'Cyber Attacks' section which contains thousands of IT security-related attacks throughout the world.

4. Now select any 5 incidents and identify the following components within the incident:
    - Vulnerability/Vulnerabilities
    - Threat(s)
    - Risk(s)
    - Assets
    - Possible Controls

Part 2 - Write an analysis of a Cyberattack

Using the above five IT security-related attacks that you choose, write an analysis of each attack that includes answers to the questions below.

a. Who were the victims of the attacks?
b. What technologies and tools were used in the attack?
c. When did the attack happen within the network?
d. What systems were targeted?
e. What was the motivation of the attackers in this case? What did they hope to achieve?
f. What was the outcome of the attack? (stolen data, ransom, system damage, etc.)