Lab - Visualizing the Black Hats

Objectives

Research and analyze cyber security incidents.

Background / Scenario

The FBI has estimated that cybercrime cost individuals and companies over 3.5 billion dollars in 2019. Governments, businesses, and individual users are increasingly the targets of cyberattacks and cybersecurity incidents are becoming more common.

In this lab, you will create three hypothetical cyber attackers, each with an organization, an attack, a motive. In addition, suggest a method by which an organization could prevent or mitigate the attack.

Note: You can use the web browser in the virtual machine that was installed in a previous lab to research security issues. By using the virtual machine, you may prevent malware from being installed on your computer.

Required Resources

- PC or mobile device with internet access and virtual machine (optional)

Instructions

Scenario 1:

a. Who is the attacker?

b. What organization or group is the attacker associated with, if any?

c. What is the motive of the attacker?

d. What method of attack was used?

e. What was the target and vulnerability used against the business?

f. How could this attack be prevented or mitigated?

Scenario 2:

a. Who is the attacker?

b. What organization/group is the attacker associated with?

c. What is the motive of the attacker?

d. What method of attack was used?

e. What was the target and vulnerability used against the business?

f.   How could this attack be prevented or mitigated?

Scenario 3:

a.   Who is the attacker?

b.   What organization/group is the attacker associated with?

c.   What is the motive of the attacker?

d.   What method of attack was used?

e.   What was the target and vulnerability used against the business?

f.   How could this attack be prevented or mitigated?