

Cybersecurity Incident Report

Section 1: Identify the type of attack that may have caused this network interruption

One potential explanation for the website's connection timeout error message is:

The logs show that:

This event could be:

Section 2: Explain how the attack is causing the website to malfunction

When website visitors try to establish a connection with the web server, a three-way handshake occurs using the TCP protocol. Explain the three steps of the handshake:

- 1.
- 2.
- 3.

Explain what happens when a malicious actor sends a large number of SYN packets all at once:

Explain what the logs indicate and how that affects the server: