Cybersecurity Incident Report

Section 1: Identify the type of attack that may have caused this network interruption
The network interruption may have been caused by a specific type of Denial-of-Service (DoS) attack known as a TCP SYN flood.

Section 2: Explain how the attack is causing the website to malfunction
The SYN flood attack simulates a TCP connection and floods the server with SYN packets. Which resulted in the website becoming inaccessible. During a TCP SYN flood attack, the attacker floods the targeted server with a high volume of SYN packets. These packets simulate the initiation of TCP connections but are intentionally left incomplete. The server, in response, allocates resources for each incoming connection request and waits for the final acknowledgment (ACK) packet.