Cybersecurity Incident Report
Network Traffic Analysis

Part 1: Provide a summary of the problem found in the DNS and ICMP traffic log
The network protocol analyzer logs indicate that port 53 is unreachable when attempting to access the company website www.yummyrecipesforme.com. Port 53 is normally used to query and request information from DNS servers. This may indicate the firewall configuration must be configured to permit connections on this port from any host on the Internet for the DNS to function properly.

Part 2: Explain your analysis of the data and provide at least one cause of the incident
The incident occurred earlier this morning when several customers contacted your company to report that they were not able to access the company website. I was tasked to visiting the website and I received the error “destination port unreachable.” Next, I loaded our network analyzer tool, tcpdump, and load the webpage again. This time,I received a lot of packets in the network analyzer. The analyzer shows that when you send UDP packets and receive an ICMP response returned to your host, the results contain an error message: “udp port 53 unreachable.” We are continuing to investigate the root cause of the issue to determine how we can restore access to company site. Our next steps include checking the firewall configuration to see if port 53 is blocked and contacting the system administrator for the web server to have them check the system for signs of an attack.