

# 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 website(yummyrecipesforme.com.). Port 53 is normally used for tcp,udp for DNS resolution. This may indicate a problem with the web server or the firewall configuration. It is possible that this is an indication of a malicious attack on the web server.

Part 2: Explain your analysis of the data and provide one solution to implement

The incident occurred earlier in the afternoon when the customers reported that they could not reach the website. The network security team responded and began running tests with the network protocol analyzer tool tcpdump. The resulting logs revealed that port 53, which is used for tcp and udp domain name resolution, is not reachable. We are continuing to investigate the root cause of the issue to determine how we can restore access to the website(yummyrecipesforme.com.). Our next steps include checking the firewall configuration to see if port 53 is blocked or if the DNS server is down. The DNS server might be down due to a successful Denial of Service attack or a misconfiguration.