# **Cybersecurity Incident Report for yummyrecipiesforme.com:**

# **Network Traffic Analysis**

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| **Summary of the problem found in the DNS and ICMP traffic log:**  The UDP protocol was used with thew DNS server to retrieve the IP address of yummyrecipeforme.com. This is based on the result of the network analysis, which shows that the ICMP echo reply returned the error message: “udp port 53 unreachable.” Since port 53 is associated with DNS protocol traffic, we know this is an issue with the DNS server. Issues with performing the DNS protocol are further evident because the plus sign after the query identification number 35084 indicates flags with the UDP message and the “A?” symbol indicates flags with performing DNS protocol operations. Due to the ICMP error response message about port 53, it is highly likely that the DNS server is not responding. This assumption is further supported by the flags associated with the outgoing UDP message and domain name retrieval. |
| The incident occurred today at 1:24 p.m. Customers notified the organization that they received the message “destination port unreachable” when they attempted to visit the website yummyrecipesforme.com. The cybersecurity team providing IT services to their client organization are currently investigating the issue so customers can access the website again. In our investigation into the issue, we conducted packet sniffing tests using tcpdump. In the resulting log file, we found that DNS port 53 was unreachable. The next step is to identify whether the DNS server is down or traffic to port 53 is blocked by the firewall. The DNS server might be down due to a successful Denial of Service attack or a misconfiguration. |