# Cybersecurity Incident Report:

# Network Traffic Analysis

| Part 1: Provide a summary of the problem found in the DNS and ICMP  traffic log | |
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| The DNS and ICMP traffic log indicates that there was an issue with accessing the website [yummyrecipesforme.com](http://www.yummyrecipesforme.com). The initial outgoing request from the computer to the DNS server was sent in a UDP packet. However, the response received from the DNS server indicates that the UDP port 53, which is the well known port for DNS service, was unreachable. This means that the DNS server was not able to process the request, resulting in the inability to obtain the IP address for [yummyrecipesforme.com](http://www.yummyrecipesforme.com). The ICMP error messages received confirm the failure to deliver the UDP packets to the DNS server's port 53. | |
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| Part 2: Explain your analysis of the data and provide one solution to implement |
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| Based on the analysis of the data, it is clear that the DNS protocol was impacted during this incident. The unreachable UDP port 53 indicates that there was no service listening on the DNS server's port, resulting in the failure to resolve the domain name for [yummyrecipesforme.com](http://www.yummyrecipesforme.com).  One solution to implement is to investigate the DNS server configuration and ensure that the DNS service is properly running and listening on port 53. It is possible that there might be a misconfiguration or a service interruption on the DNS server that caused the port to be unreachable. Additionally, the network administrators should check for any firewall rules or network restrictions that might be blocking the communication between the client and the DNS server on port 53.  By resolving the issue with the DNS server and ensuring that the DNS service is operational and accessible on port 53, users will be able to successfully resolve the domain name for [yummyrecipesforme.com](http://www.yummyrecipesforme.com) and access the website without any errors. |