# Cybersecurity Incident Report:

# Network Traffic Analysis

| Part 1: Summary of the problem found in the DNS and ICMP  traffic log. | |
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| The UDP protocol reveals that DNS Requests are not working properly on port 53  This is based on the results of the network analysis, which show that the ICMP echo reply returned the error message: “udp port 53 unreachable”  The port noted in the error message is used for: 53  The most likely issue is that the DNS Server is down or configured incorrectly | |
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| Part 2: Analysis of the data and provide at least one cause of the incident. |
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| Time incident occurred: 13:24:32.192571  Customers initially reported the problem when they could not access the website.  Internal verification by the IT team confirmed the issue, and detailed analysis was performed using tcpdump, which pinpointed the DNS resolution failure due to the “udp port 53 unreachable” error.  This led to the identification of a problem with the DNS service, making the team aware of the incident's specifics and facilitating further investigation.  Note a likely cause of the incident:   * The DNS server might not be properly configured to listen for requests on port 53 * The server could be down or experiencing connectivity issues. |