

# Cybersecurity Incident Report:

## Network Traffic Analysis

Part 1: Provide a summary of the problem found in the DNS and ICMP traffic log.

The UDP protocol reveals that the client's webpage is being affected by its port and unable to reach the destination when trying to access it.

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: DNS Server

The most likely issue is DOS (Denial Of Service) attack

Part 2: Explain your analysis of the data and provide at least one cause of the incident.

Time incident occurred: 13:24pm.

IT team became aware of this when users reported that they are unable to access the webpage ([www.yummyrecipesforme.com](http://www.yummyrecipesforme.com)) as they would get the error message "destination port unreachable".

The actions taken was to use the network analyzer tool to investigate this issue so we could inspect the network traffic and data of what's causing the issue. It revealed that the ICMP we received back was the same. This would indicate that the DNS server port 53 is down. This is most likely caused by DOS attack. The error is still occurring, further investigation needs to be done by the hosted DNS Server company to resolve this.