

Cybersecurity Incident Report:

Network Traffic Analysis

Provide a summary of the problem found in the DNS and ICMP traffic log

The network protocol analyzer logs indicate that port 53 using the UDP protocol is unreachable when attempting to access the website yummyrecipesforme.com.

Port 53 is normally used by the DNS server. This may indicate a problem with the DNS configuration service as well with the UDP protocol.

It is possible that this is an indication of being unable to verify the safety or/and authenticity of the website domain.

Explain analysis of the data and provide one solution to implement

The incident occurred earlier this day when several customers contacted our company to report that they were not able to access the company website www.yummyrecipesforme.com, and saw the error "destination port unreachable" after waiting for the page to load.

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 DNS servers, is not reachable.

We are continuing to investigate the root cause of the issue to determine how we can restore access to the website page.

Our next steps include checking the DNS server configuration to see if port 53 is properly configured and contacting the system administrator for the web server to have them check the system for signals of a Denial-of-Service attack.