

The UDP protocol reveals that port 53 is unavailable when attempting to access the DNS server. 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 communication. The most likely issue is a DoS attack on the DNS server.

The incident occurred at some time before 1:24pm. The IT team became aware of the incident when clients reported their inability to access the website "www.yummyrecipesforme.com." The IT department investigated this incident by attempting to visit the website, and upon having issues used the network analyzer tool, tcpdump, to analyze the responses from the DNS server. Following this investigation we conclude that there is an issue with accessing and getting a response from port 53, meaning the DNS server does not have the availability to respond. The most likely cause of this incident is a DoS attack on the DNS server.