

Cybersecurity Incident Report: Network Traffic Analysis

```
13:24:32.192571 IP 192.51.100.15.52444 > 203.0.113.2.domain: 35084+ A?
yummyrecipesforme.com. (24)
```

```
13:24:36.098564 IP 203.0.113.2 > 192.51.100.15: ICMP 203.0.113.2
udp port 53 unreachable length 254
```

```
13:26:32.192571 IP 192.51.100.15.52444 > 203.0.113.2.domain: 35084+ A?
yummyrecipesforme.com. (24)
```

```
13:27:15.934126 IP 203.0.113.2 > 192.51.100.15: ICMP 203.0.113.2
udp port 53 unreachable length 320
```

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13:28:32.192571 IP 192.51.100.15.52444 > 203.0.113.2.domain: 35084+ A?
yummyrecipesforme.com. (24)
```

```
13:28:50.022967 IP 203.0.113.2 > 192.51.100.15: ICMP 203.0.113.2
udp port 53 unreachable length 150
```

The logs above provide insight into the incident where the company website was down. The first line represents the initial outgoing request from the computer to the DNS server requesting the IP address of the website.

Following the request the log shows the response indicating that the ICMP packet, which was meant to deliver the requested information to the DNS server's port, was undeliverable.

Subsequent entries in the log reveal additional attempts to send ICMP packets, but each attempt results in the same delivery error being received.

The test was made after several customers contacted the company to report that they could not access the company website and saw the error "destination port unreachable" after waiting for the page to load. After running the test I noticed that the port 53/UDP was not reachable. This error occurs when the DNS server is temporarily unavailable or offline.

I suspect that the DNS server was intentionally flooded in order to bring down the website or misconfigured.

To troubleshoot and resolve this issue:

1. Using an alternative DNS server to see if the issue persists.
2. Contacting the DNS server administrator.