

Group no: 5

Vulnerability Type:

Security

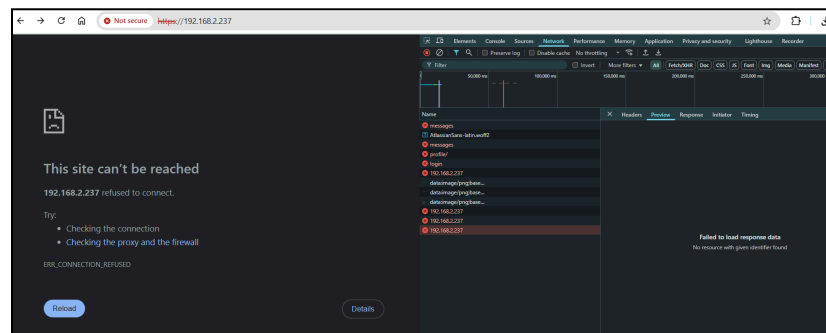
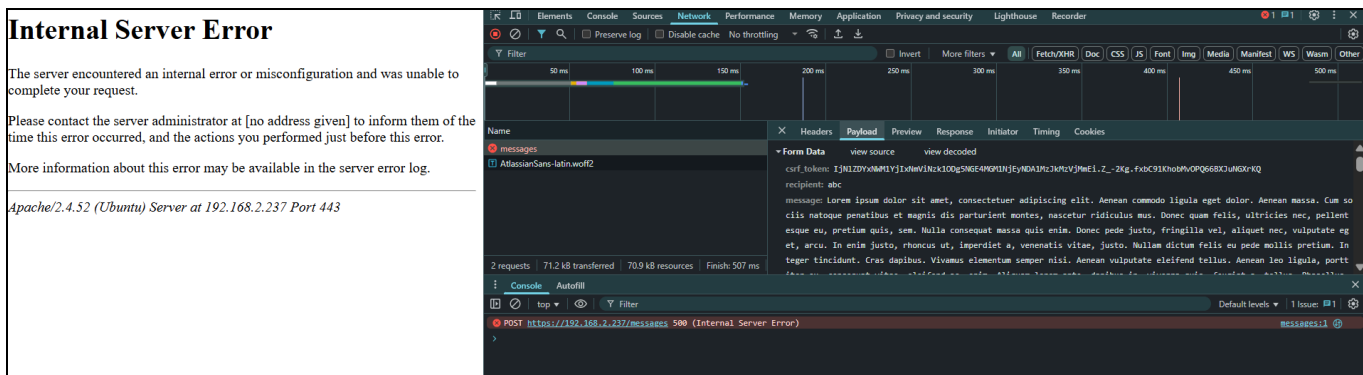
Brief Discription: The site does not restrict the size of the messages sent by the users so i can send a very large message and cause the server to crash and return an HTTP 500 Internal Server Error. So backend is not handling oversized payloads and lacks proper input validation which can potentially result in DOS attack vulnerable.

Steps to Reproduce:

- 1) Go to <https://192.168.2.237/messages>
- 2) Select any user to chat with and send very large msg (like 100000 words)
- 3) Then see that the site throws a 500 Internal Server Error response.
- 4) Now the site is down as its crashed and the server is unresponsive.

Proof of Concept:

I have send a very large messages of approx 100000 words. As there is no limit on msg length, i can crash the server as well for some time.



Impact:

As there is no message size restrictions and no proper input validation this makes the site vulnerable to Denial of Service (DoS) attacks. Also attackers can crash or hang the server by sending large messages repeatedly. It can also cause to fill up the database and performance degradation thus site downtime.