

# REPORT – NCAT CHAT TERMINAL SIMULATION

Abishek KS | Reg. No.: 2462013 | Christ University, Kengeri | Cyber Security Assessment

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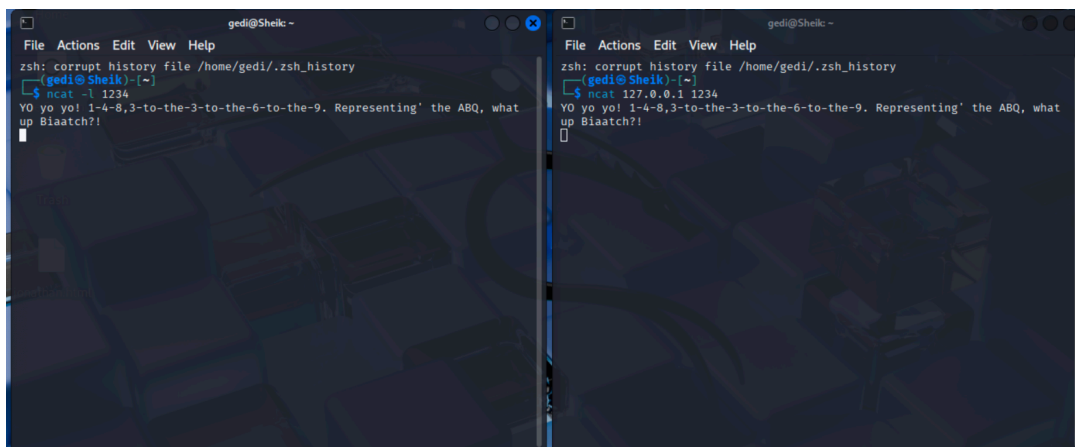
## ☆ Objective:

Simulate a chat system using Ncat on Kali Linux to demonstrate basic TCP-based terminal communication.

## ☆ Methodology:

- Kali Linux in VirtualBox with 2 terminal windows.
- Verified Ncat using `which ncat`.
- Terminal A: `ncat --listen 1234`
- Terminal B: `ncat 127.0.0.1 1234`
- Exchanged messages to simulate chat over TCP.

## ☆ Screenshots:



## Code Submission:

Scripts included:

- chat\_server.sh
- chat\_client.sh

## ☆ Findings:

- Enabled real-time TCP chat.
- Useful for netcat-based recon & socket-level testing.
- Can extend to encryption, reverse shells, file transfers.

## ☆ Conclusion:

Ncat chat terminal proves effective for demonstrating TCP communication and is a valuable asset in cybersecurity assessments.

