COMPUTER NETWORKS

TITLE:

Compact Network Packet Sniffer for Real-Time Attack Detection

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ABSTRACT:

This project presents a lightweight Network Packet Sniffer designed to swiftly identify and counteract common network attacks. Focusing on SYN Flood, SYN-ACK Flood, ICMP Smurf, and Ping of Death attacks, this efficient sniffer enhances network security without imposing a heavy computational burden.

This system captures and analyses incoming packets to detect attack patterns, providing real-time attack mitigation.

It efficiently identifies and mitigates attacks to ensure network stability and protect critical resources.