Government Engineering College, Thrissur

CS334 – Network Programming Lab

Documentation -

Exp 7 – RAW Socket Programming in C.

Date of Submission

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GECT CSE S6

Experiment 7

- a)Display the header information of UDP and TCP packets during client-server communication using raw sockets.
- b) Develop a packet capturing and filtering application using raw sockets.

Compilation of Code

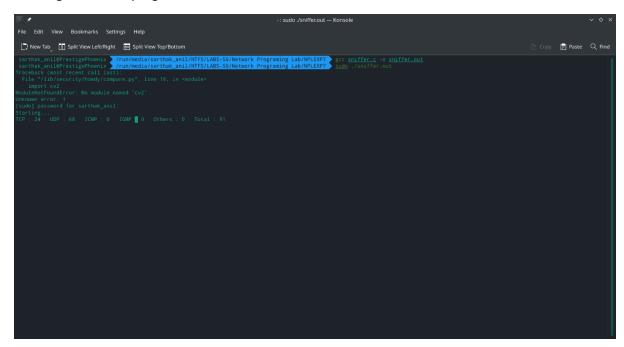
- The program is run with the help of C programming language.
- The code is provided in Client and Server
 - o Run gcc raw_tcp.c -o tcp.out
 - o Run gcc raw_udp.c -o udp.out
 - o Run gcc sniffer.c -o sniffer.out
 - o Run sudo ./tcp .out to send a tcp packet and see the header information
 - o Run sudo ./udp.out to send a udp packet and see the header information
 - o Run sudo ./sniffer.out to send a tcp packet and see the header information
- The code is tested on
 - Manjaro Linux gcc

Note

This program will only work on Linux and need sudo since raw socket is created

Screenshots

Running the sniffer program



Running raw_udp.c to send a packet and to see the header information

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The UDP packet being captured by sniffers

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Running raw_tcp.c to send a tcp packet and to see the header information

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The TCP packet being captured by sniffers