

Assignment 7

Basic practice questions

1. Extend example on capturing packets to print information about TCP and UDP packets (Source IP, Destination IP, Source Port and destination port)

Assignment Questions

1. Write program that captures ARP packets sent from various hosts and prints their MAC address and IP address.
2. Extend above program to insert the above details in sqlite database. The database should include MAC address and IP address pairs. Note that multiple IP addresses can have same MAC address but same IP address can not have multiple MAC addresses. Hence you should have only one MAC address for each IP address in database.

Advanced practice questions

1. Write program for ARP spoofing so that all packets of some chosen destination pass through attackers machine and attacker can capture all plaintext information.