

AIM: Experiments on Packet capture tool: Wireshark

Student observations

1. Promiscuous mode is a network interface mode in which the network card captures all packets on the network, regardless of their destination address.
2. No, ARP packets do not have a transport layer header. ARP operates at the network layer of the OSI model and is used for mapping IP addresses to MAC addresses.
3. DNS primarily uses UDP on port 53 for query and response transactions, because it is faster due to the connectionless nature of UDP.
4. HTTP typically uses port 80. For secure HTTP traffic, HTTPS uses port 443.
5. Broadcast IP address is an IP address that sends packets to all devices on a network, typically ending in ~~25~~ .255.

RESULT

Thus, experiments on packet capture tool (Wireshark) has been performed successfully.

5/8/24