

Assignment

Wireshark (Link Layer)

Assignment Questions (Link Layer)

Observe the following features in link layer;

1. What fraction of the data transmitted is control, data and management packets.
2. What fraction of traffic observed is (ARP, Broadcast, TCP, UDP, ICMP, IGMP).
3. How many unique users (MACs addresses) are found from the pcap trace?
4. Plot the traffic pattern of 5 users using IO graph.
5. Count number of retransmissions observed, (**Hint:** Once can observe retransmission by counting on a data transmission which is not accompanied by link level ACK).
6. What the maximum number of retransmission observed for any packet? Plot packet number vs retransmission frequency.

Note:

1. For all the experiments write the inferences which you have observed.
2. Insert the screenshot in the report. Submit the report in pdf format in google classroom with filename as your roll number.