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Python file:

AnalysisPcap.py

Pcap files:

project1_part2.pcap

1. How many devices are connected to this hotspot? (4 points)

4

2. Which device sends out the most number of packets? (3 points)

10.42.0.52

3. Which device receives the most number of packets? (3 points)

10.42.0.149

3. Is there any endpoint where more than one device sends out a network packet to it?

List the IP addresses of these endpoint(s)? (4 points)

5. Which application layer protocol has been used the most by the devices? (4 points)

HTTPS

4. Identify how much time did it take for us to capture this Pcap file (in minutes). (4 points)

2022-10-07 01:01:47.781776 -> 2022-10-07 01:12:44.637144

Which is 10 mins 57 s

7. Can you tell whether the devices send packets concurrently or sequentially? Explain

your approach to figure the sets of devices with concurrent/sequential network traffic.

List the sets of devices with concurrent traffic. (4 points)

8. Can you figure out at approximately what point of time the devices were disconnected from the hotspot? (hint: Look at the final packets using Wireshark) (4 points)