Challenge

Home challenge #1: Sniffing

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- Download the homework1.pcap file from the beep
- Analyse the traffic with wireshark or with something else

- Answer the following questions

Questions

1) What's the difference between the message with MID: 3978 and the one with MID: 22636?

2) Does the client receive the response of message No. 6949?

3) How many replies of type confirmable and result code "Content" are received by the server "localhost"?

4) How many messages containing the topic "factory/department*/+" are published by a client with user name: "jane"? Where * replaces the dep. number, e.g. factory/department1/+, factory/department2/+ and so on. (btw, * is NOT an MQTT wildcard)

5) How many clients connected to the broker "hivemq" have specified a will message?

Questions

6) How many publishes with QoS 1 don't receive the ACK?

7) How many last will messages with QoS set to 0 are actually delivered?

8) Are all the messages with QoS > 0 published by the client "4m3DWYzWr40pce6OaBQAfk" correctly delivered to the subscribers?

9) What is the average message length of a connect msg using mqttv5 protocol? Why messages have different size?

10) Why there aren't any REQ/RESP pings in the pcap?