Home Challenge #1: Sniffing

Prof. Matteo Cesana - Year 2020/2021

Name Surname [codice persona: X]
Tortorelli Giuseppe [codice persona: 10582962]

Contents

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?

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

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 "4m3DWYzWr40p 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?