

**Wildlife Project**

By:

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Date: 19-04-2023

# Current Progress:

* Decoded the payload for recording device name / prefix, and verified the results from mobile app.



* Created a TLS (transport layer Security) based MQTT broker, and used TLS certificate to send data to a private MQTT broker on secure port.
* Created topic for every data string and subscriber each topic on MQTT web client.
* Tested the code on real hardware.

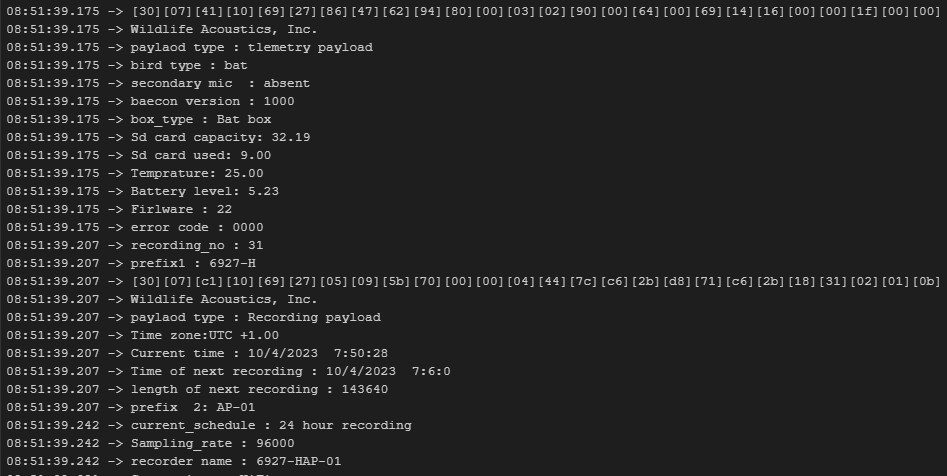


Figure 1 final payload decoded

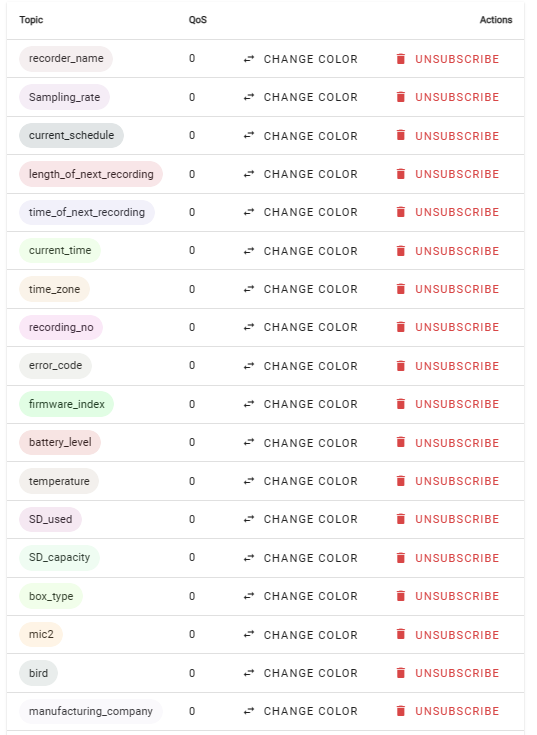


Figure 2 Subscribed Topics

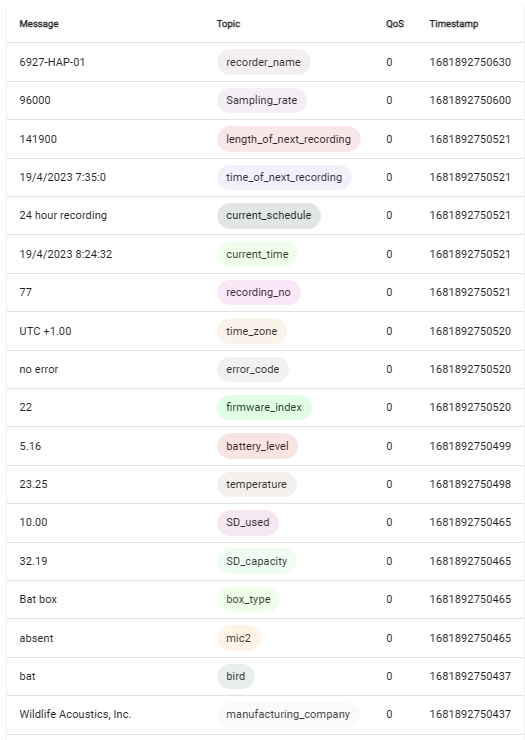


Figure 3 Web based client for MQTT broker

# Task for next week

* Currently the device is working on Wi-Fi network, connect the device to the cellular network using GSM and test the code.
* Use RTC to send data once a day, and verify.