Internet of Things

Challenge 2 - REPORT

Student : Valeria Maria Fortina

ID: 10537962

REPORT - WITH REASONING ABOUT NODE-RED

TIMESTAMP

I used this node as a button to send the input

FILE

To extract each line of the file I used a File node with the output of a msg per line

FILTER VALUES FUNCTION

This function filter the codes between 7962 to 8061, following the rules of the challenges and then publish the values of field 1, 2 and 5.

DELAY - MESSAGE LIMITER

With the delay node I could sent to ThingSpeak two messages per minute as requested.

FILTER RSSI & Chart RSSI

This function get the negative numbers of field 5 and return them to be used by the chart RSSI. I've decided to connect these nodes after the delay to get a better visualisation on the chart.

MQTT PUBLISHER

I used this node to connect to my ThingSpeak Channel and to publish the values.

THINGSPEAK: https://thingspeak.com/channels/1710684