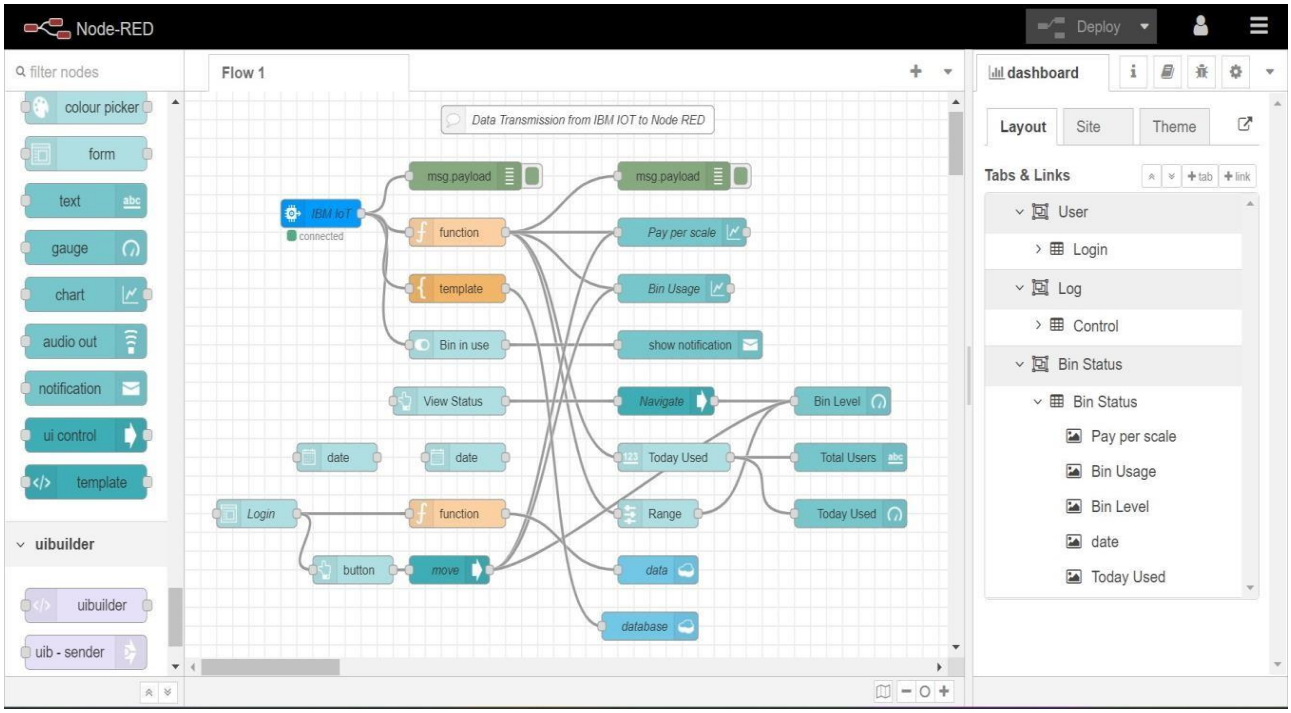
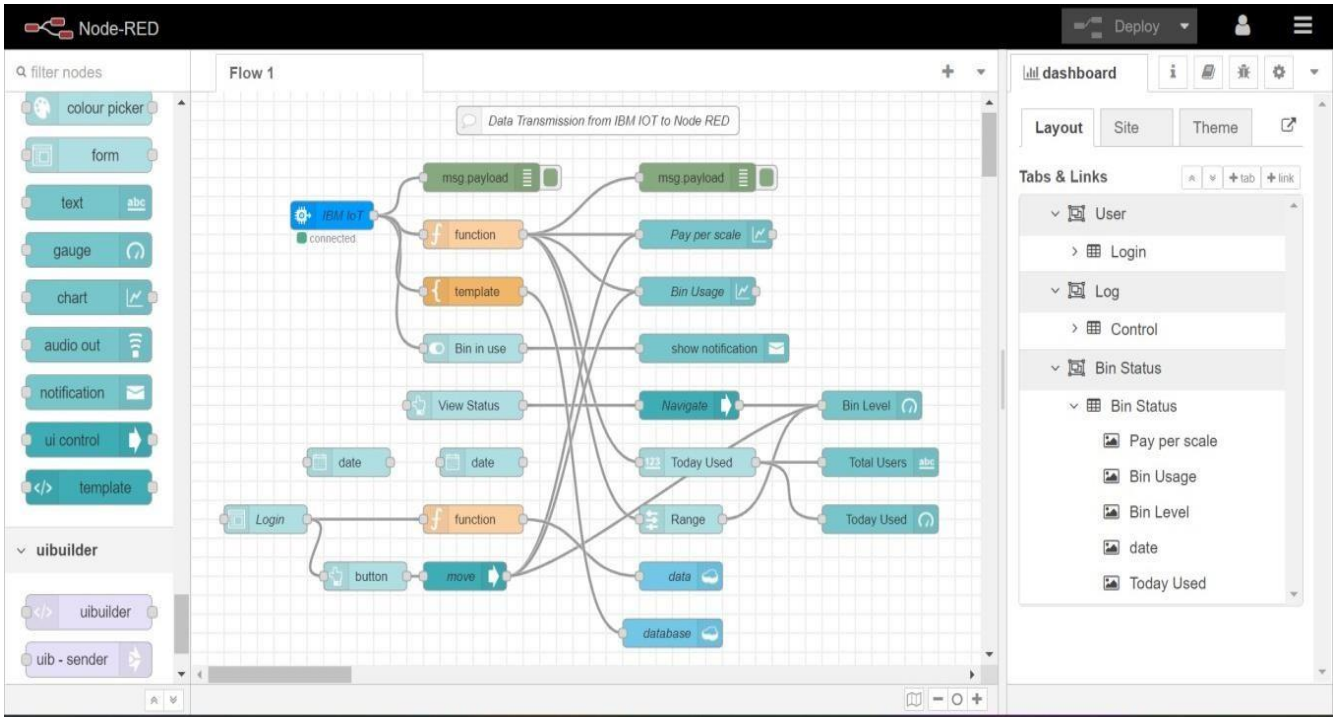
Delivery of Sprint – 4

Web UI Design and Deploy

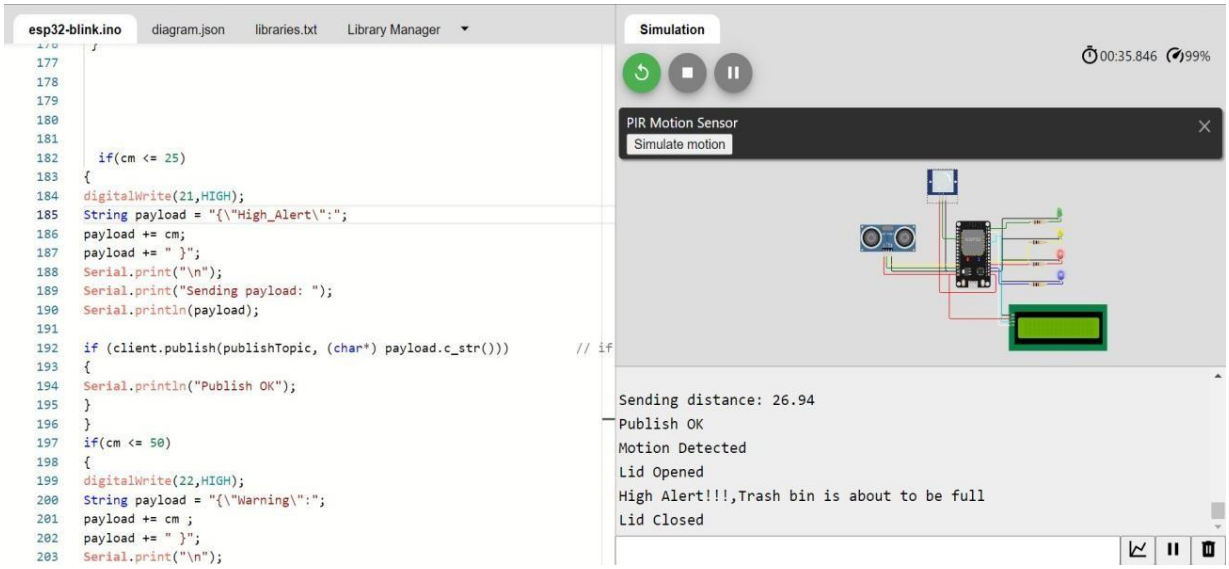
Date	8 November 2022
Team ID	PNT2022TMID14871
Project Name	Smart Waste Management for Metropolitan Cities

1. Node-RED Connection setup for data transmission from IBM Watson IOT platform to Node-RED dashboard.

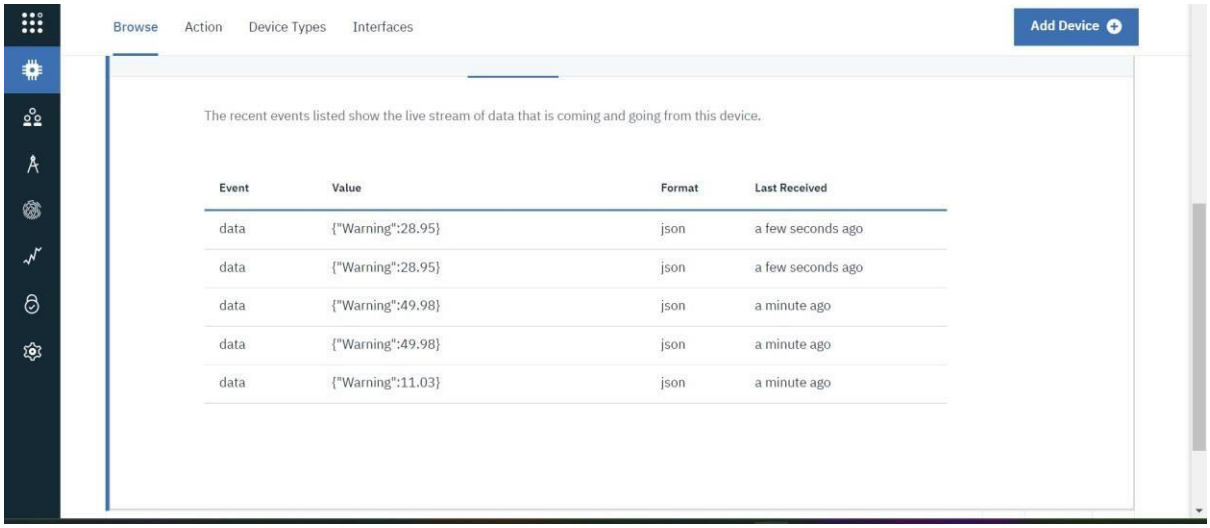




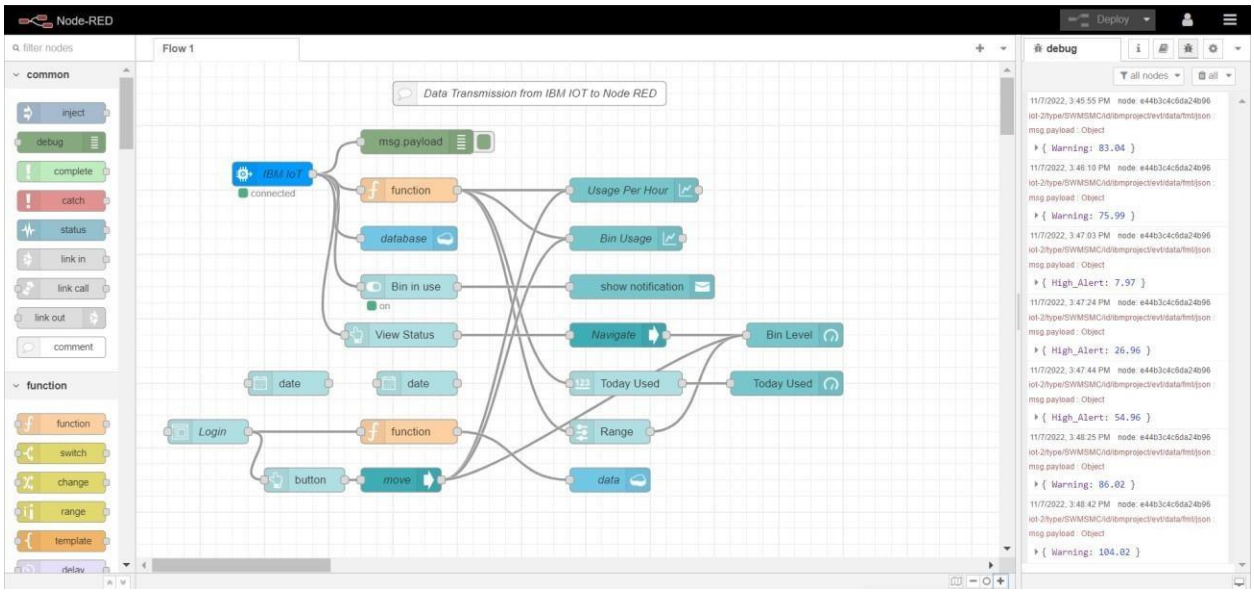
2. Simulate Wokwi connection to transmit data from wokwi account to IBM Watson IOT platform and then to Node Red dashboard.



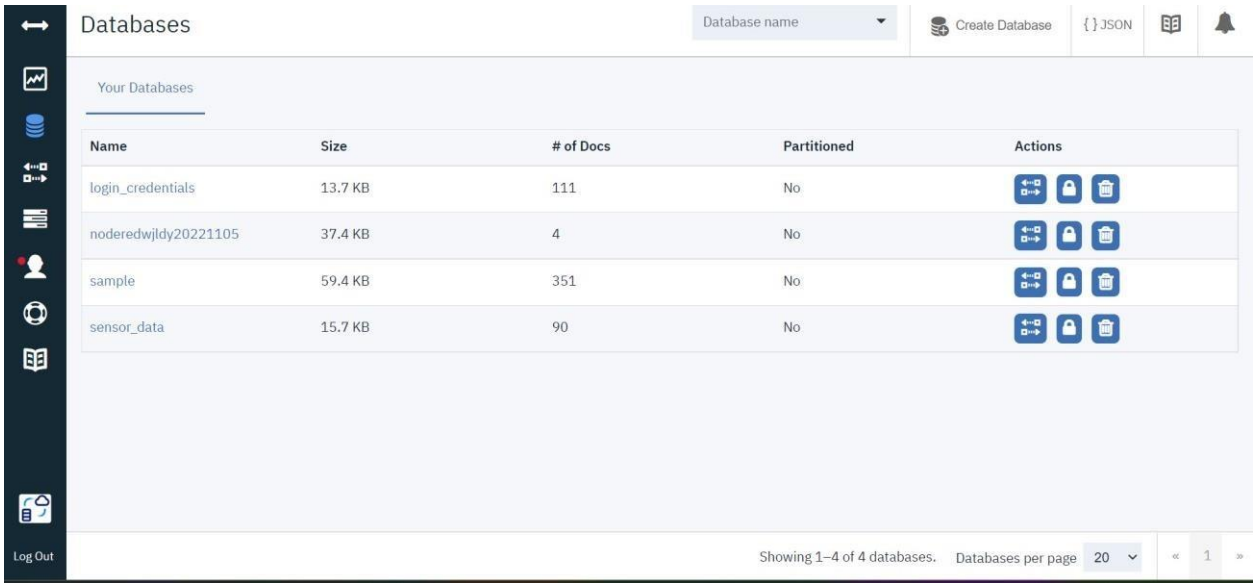
3. Data transfer to Watson IOT platform.

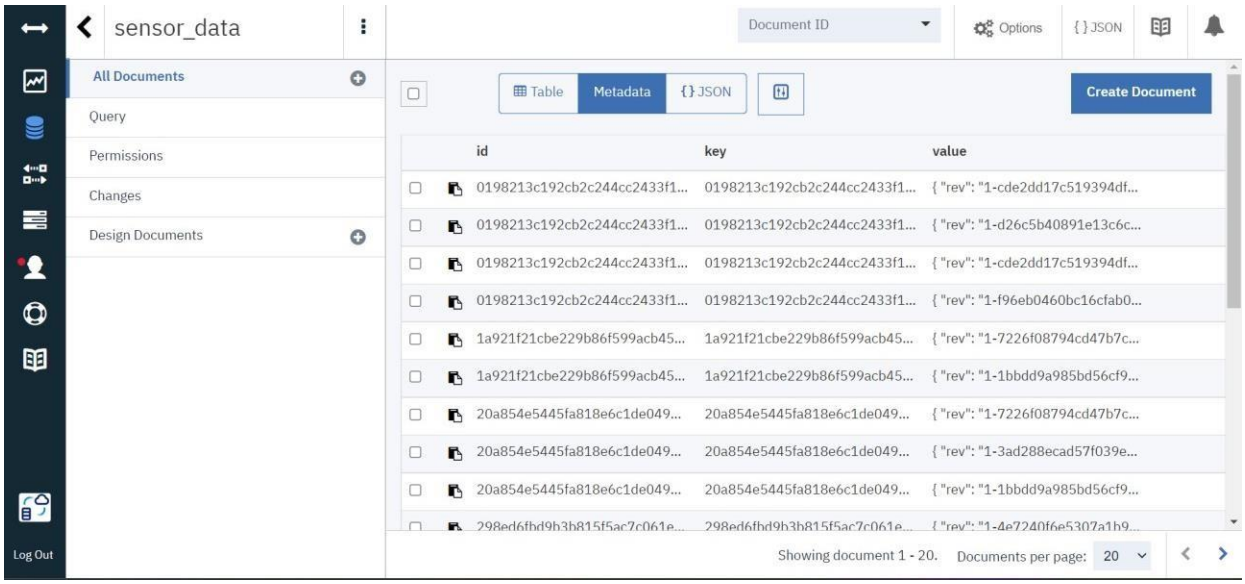


4. Data transfer from IBM Watson IOT platform and wokwi to Node red.

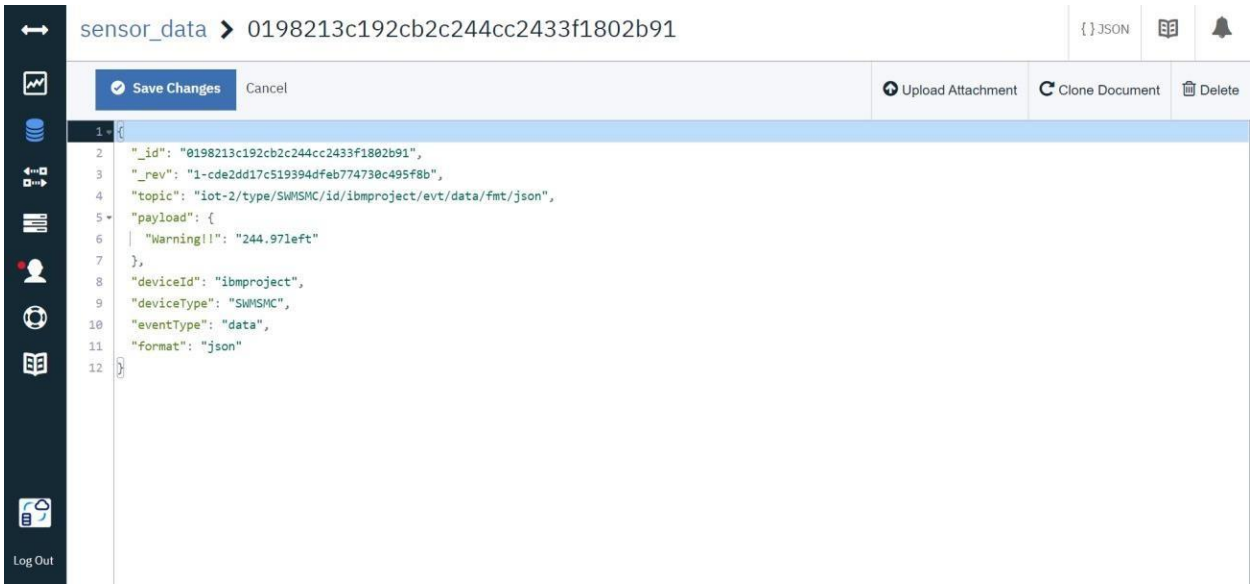


5 . Storing database in IBM cloudant DB.

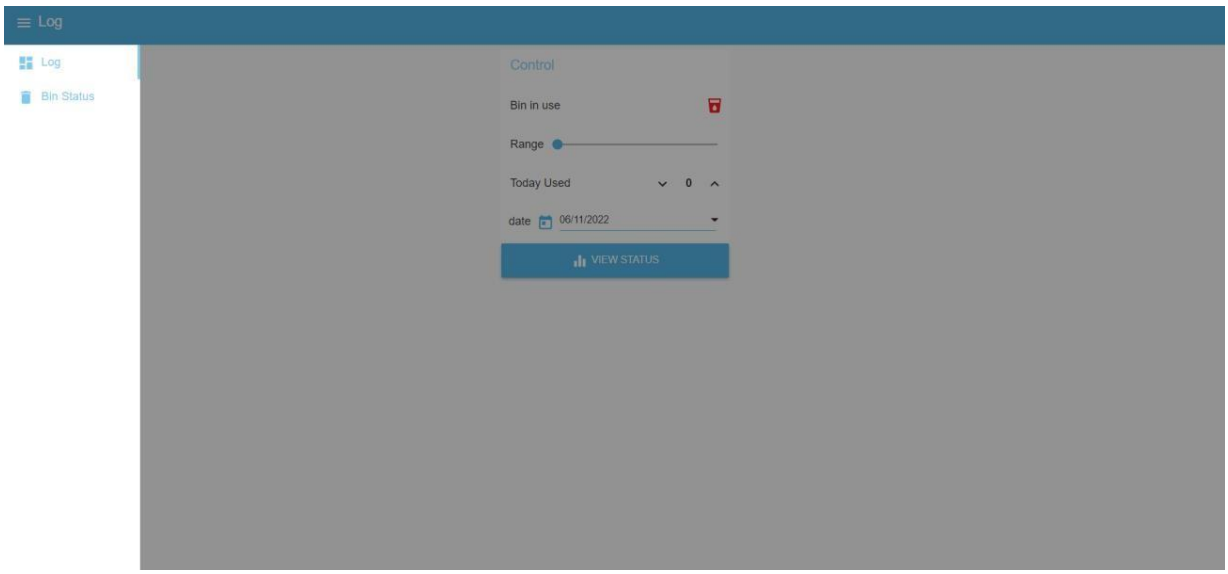


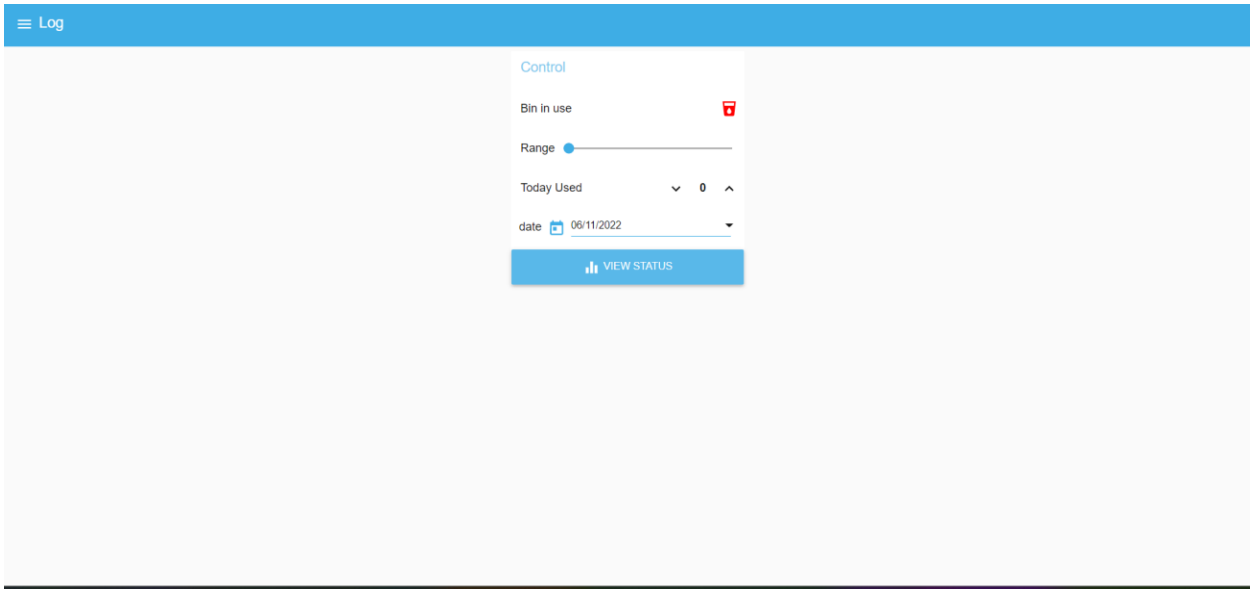


6. Data is stored in JSON format


sensor_data > 0198213c192cb2c244cc2433f1802b91
{ } JSON
Save Changes
Cancel
Upload Attachment
Clone Document
Delete
{
"_id": "0198213c192cb2c244cc2433f1802b91",
"_rev": "1-cde2dd17c519394dfeb774730c495f8b",
"topic": "iot-2/type/SWMSMC/id/ibmproject/evt/data/fmt/json",
"payload": {
"Warning!!": "244.97left"
},
"deviceId": "ibmproject",
"deviceType": "SWMSMC",
"eventType": "data",
"format": "json"
}
Log Out

7. Web UI


Log
Log
Bin Status
Control
Bin in use
Range
Today Used
0
date
06/11/2022
VIEW STATUS


Log
Control
Bin in use
Range
Today Used
0
date
06/11/2022
VIEW STATUS


Bin Status
Bin Status
Bin Level
Today Used
Bin Level
200
150
100
50
0
iot-2/type/SWMSMC/id/ibmproject/evt/data/fmt/json
100
75
50
25
0
6/11
27
gallons
date
06/11/2022
Today Used
27gallons