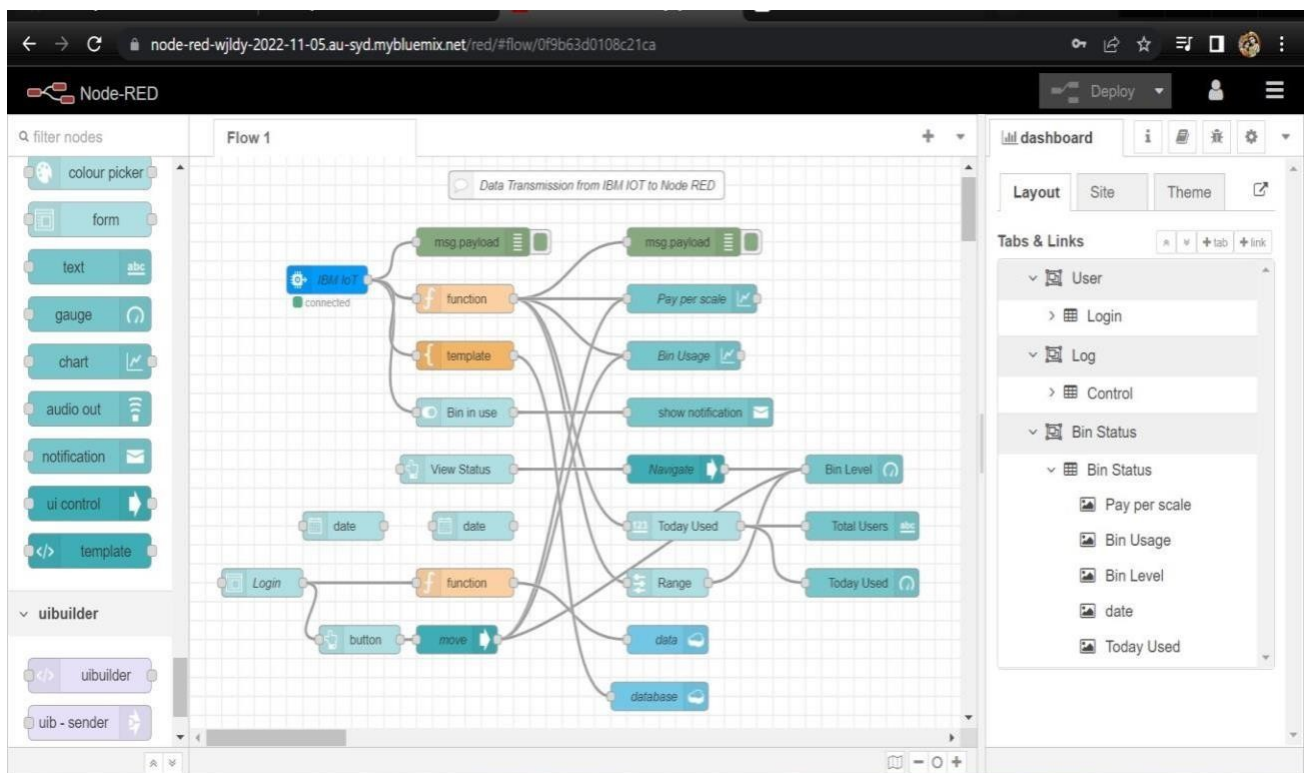


Date	5 November 2022
Project Name	Smart Waste Management for Metropolitan Cities - IOT

## Delivery of Sprint – 4 Web UI Design and Deploy

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

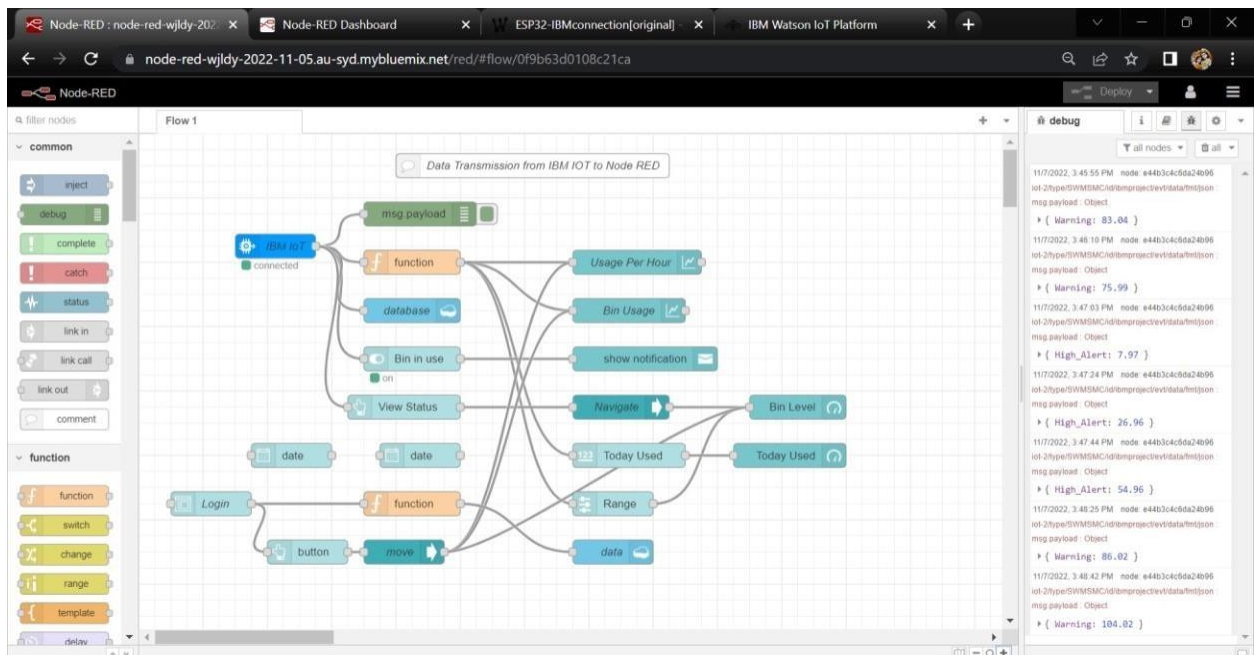




The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
data	{"Warning":28.95}	json	a few seconds ago
data	{"Warning":28.95}	json	a few seconds ago
data	{"Warning":49.98}	json	a minute ago
data	{"Warning":49.98}	json	a minute ago
data	{"Warning":11.03}	json	a minute ago

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















#### 5 . Storing database in IBM cloudant DB.

← → ↻ ee6aeb4a-3006-499e-940e-af19edf953bf-bluemix.cloudant.com/dashboard.html#/all\_dbs

Databases Database name Create Database {} JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	  
noderedwjldy20221105	37.4 KB	4	No	  
sample	59.4 KB	351	No	  
sensor_data	15.7 KB	90	No	  

Showing 1–4 of 4 databases. Databases per page 20 1

Log Out

← → ↻ ee6aeb4a-3006-499e-940e-af19edf953bf-bluemix.cloudant.com/dashboard.html#/database/sensor\_data/\_all\_docs

sensor\_data Document ID Options {} JSON

All Documents +











Query

Permissions

Changes

Design Documents +

Table Metadata {} JSON Create Document

	id	key	value
<input type="checkbox"/>	 0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{"rev": "1-cde2dd17c519394df..."}
<input type="checkbox"/>	 0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{"rev": "1-d26c5b40891e13c6c..."}
<input type="checkbox"/>	 0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{"rev": "1-cde2dd17c519394df..."}
<input type="checkbox"/>	 0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{"rev": "1-f96eb0460bc16cfab0..."}
<input type="checkbox"/>	 1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{"rev": "1-7226f08794cd47b7c..."}
<input type="checkbox"/>	 1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{"rev": "1-1bbdd9a985bd56cf9..."}
<input type="checkbox"/>	 20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{"rev": "1-7226f08794cd47b7c..."}
<input type="checkbox"/>	 20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{"rev": "1-3ad288ecad57f039e..."}
<input type="checkbox"/>	 20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{"rev": "1-1bbdd9a985bd56cf9..."}
<input type="checkbox"/>	 298ed6fbd9h3b815f5ac7c061e...	298ed6fbd9h3b815f5ac7c061e...	{"rev": "1-4e7240f6e5307a1b9..."}

Showing document 1 - 20. Documents per page: 20 < >

Log Out

6. Data is stored in JSON format

ee6aeb4a-3006-499e-940e-af19edf953bf-bluemix.cloudant.com/dashboard.html#database/sensor\_data/0198213c192cb2c244cc2433f1802b91

sensor\_data > 0198213c192cb2c244cc2433f1802b91

Save Changes Cancel Upload Attachment Clone Document Delete

```
1.
2. {
3.   "_id": "0198213c192cb2c244cc2433f1802b91",
4.   "_rev": "1-cde2dd17c519394dfeb774730c495f8b",
5.   "topic": "iot-2/type/SWMSMC/id/ibmproject/evt/data/fmt/json",
6.   "payload": {
7.     | "Warning!!": "244.971left"
8.   },
9.   "deviceId": "ibmproject",
10.  "deviceType": "SWMSMC",
11.  "eventType": "data",
12.  "format": "json"
13. }
```

Log Out


## 7. Web UI

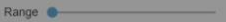
node-red-wjldy-2022-11-05-au-syd.mybluemix.net/ui/#/0?socketid=mTvmznbl9ri5aUmAACX



Log



Log Bin Status


Control

Bin in use 

Range 

Today Used  0 

date  06/11/2022 

 VIEW STATUS

