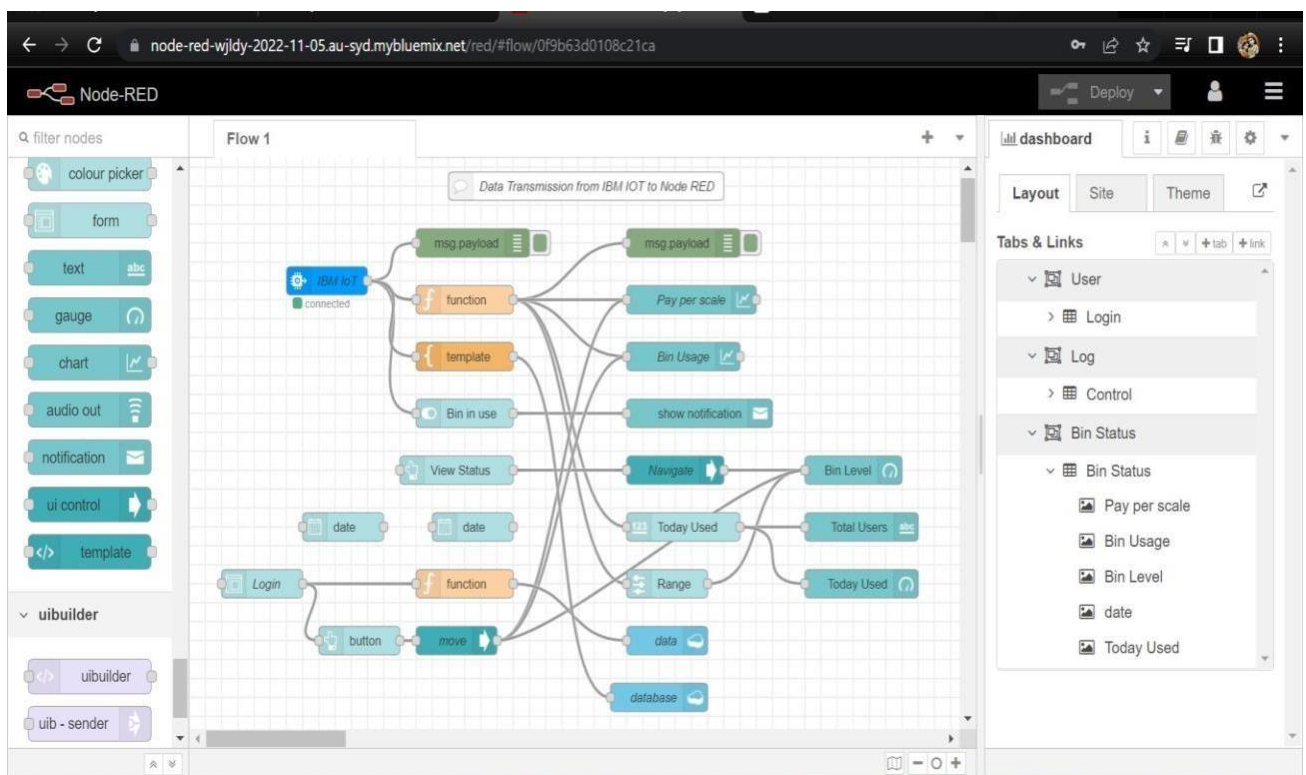


## Web UI Design and Deploy

Date	5 November 2022
Team ID	PNT2022TMID28953
Project Name	Smart Waste Management for Metropolitan Cities - IOT

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

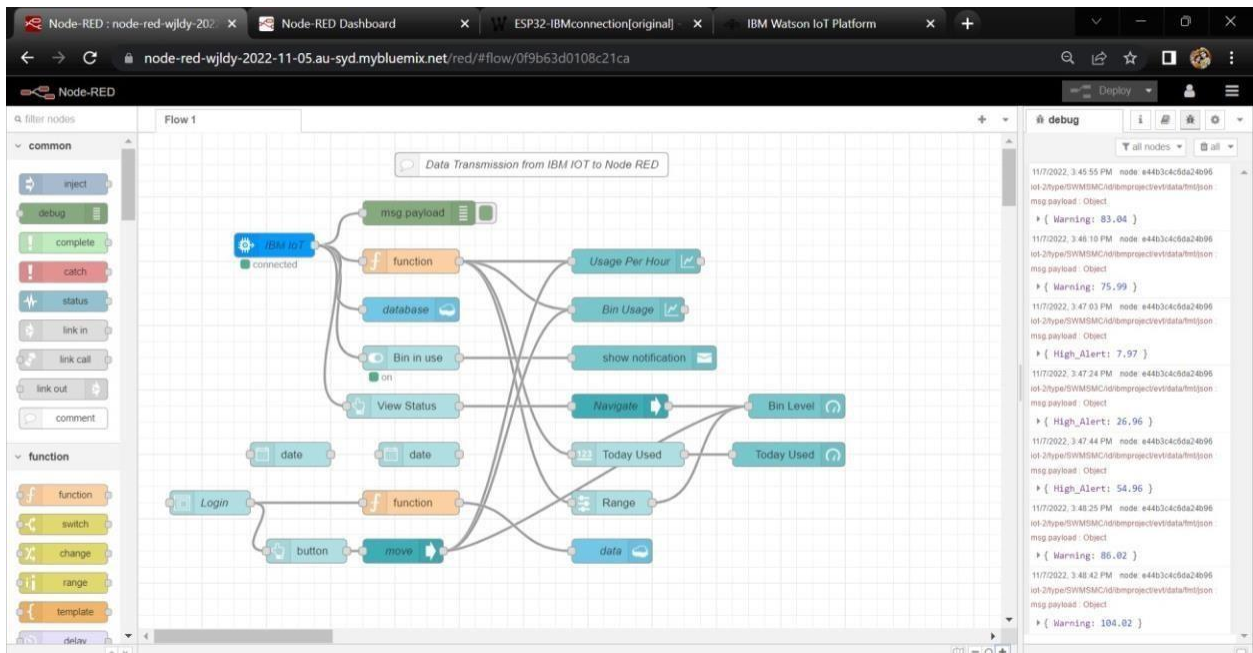




The recent events listed show the live stream of data that is coming and going from this device.

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 »

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"/>	298ed6fbd9b3b815f5ac7c061e...	298ed6fbd9b3b815f5ac7c061e...	{ "rev": "1-de72a0f6e5307a1b9..." }

Showing document 1 - 20. Documents per page: 20 « »

6. Data is stored in JSON format

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

sensor\_data > 0198213c192cb2c244cc2433f1802b91 {} JSON

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!!": "244.97left"
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/#/I/0?socketid=mTvbzmznbl9ri5aUmAACX



Log



Log Bin Status


Control

Bin in use 

Range 

Today Used  0 

date  06/11/2022 

 VIEW STATUS

