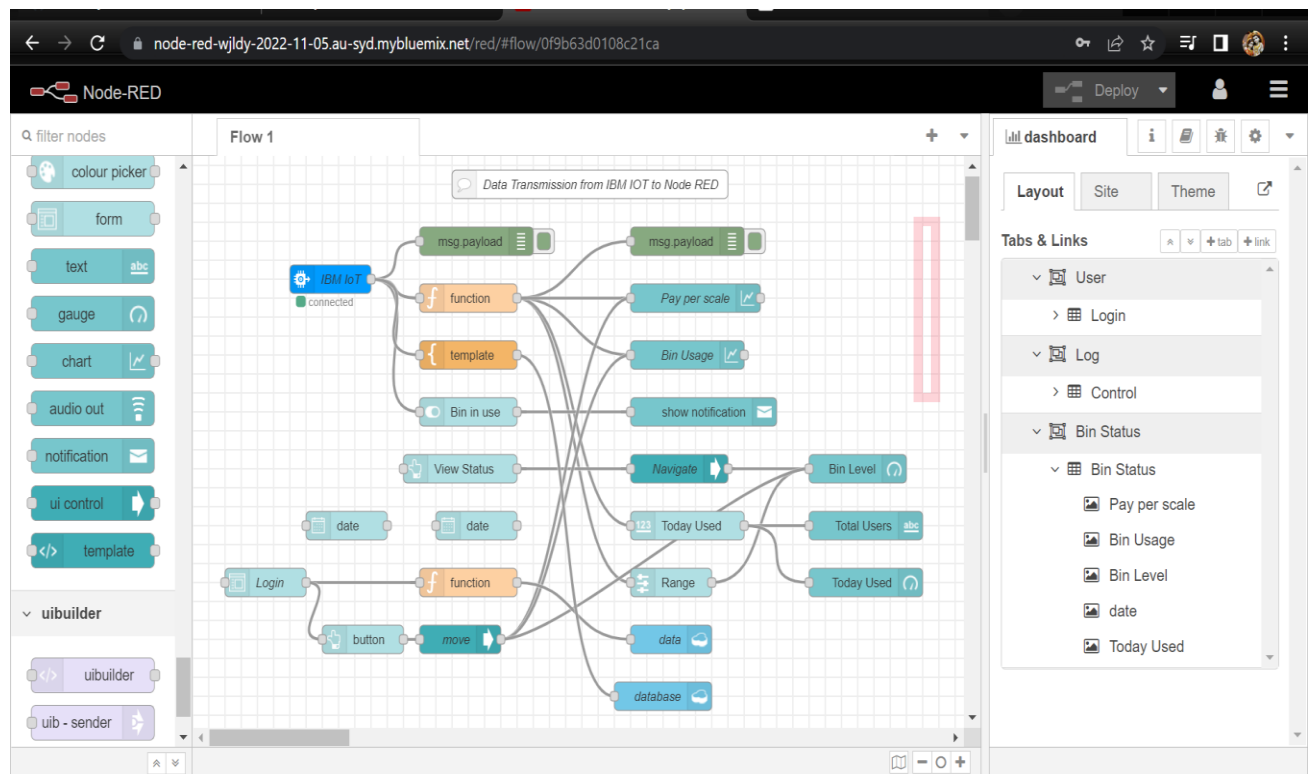


## Delivery of Sprint – 4

### Web UI Design and Deploy

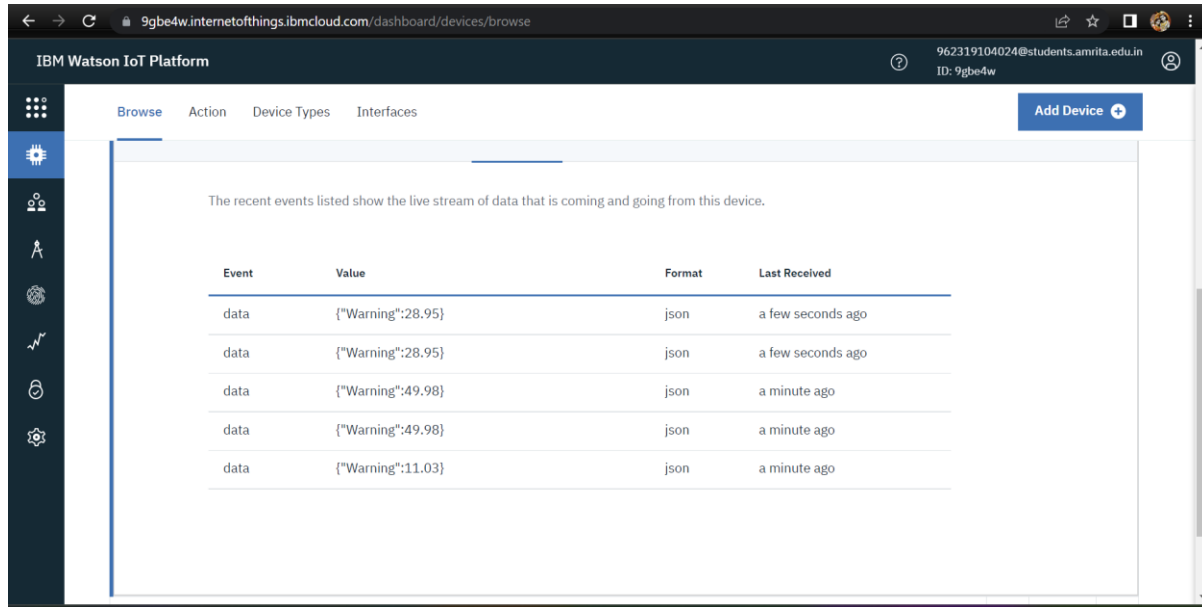
Date	5 November 2022
Team ID	PNT2022TMID10141
Project Name	Smart Waste Management for Metropolitan Cities - IOT

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

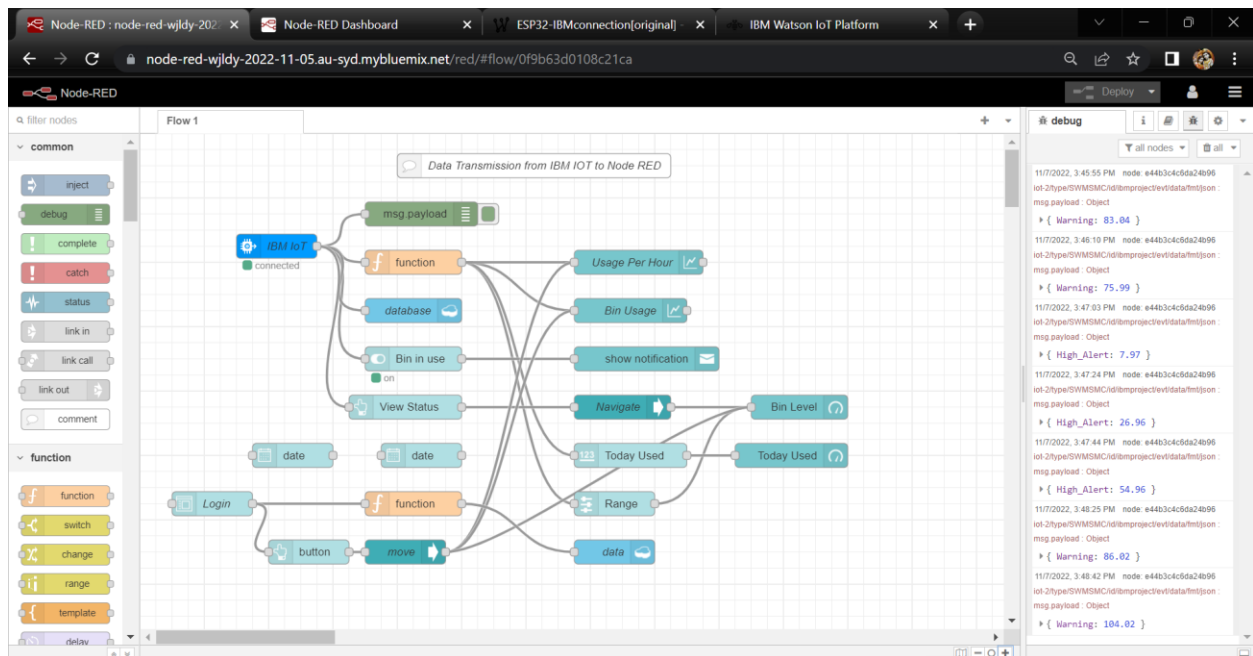




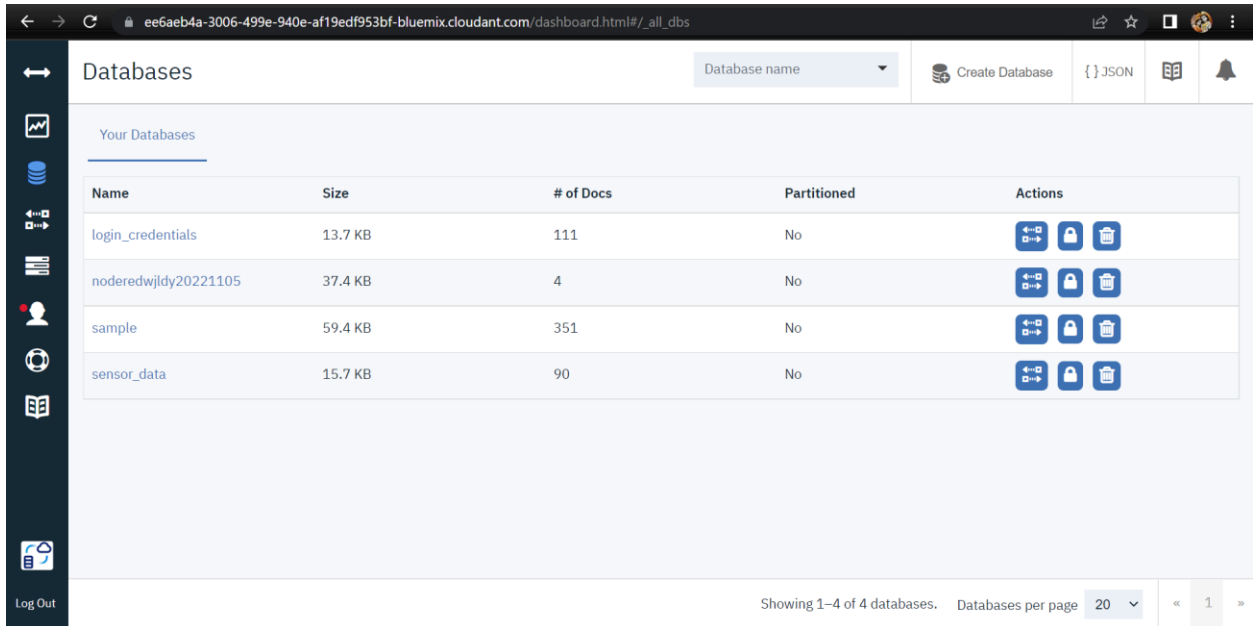
### 3. Data transfer to Watson IOT platform.



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



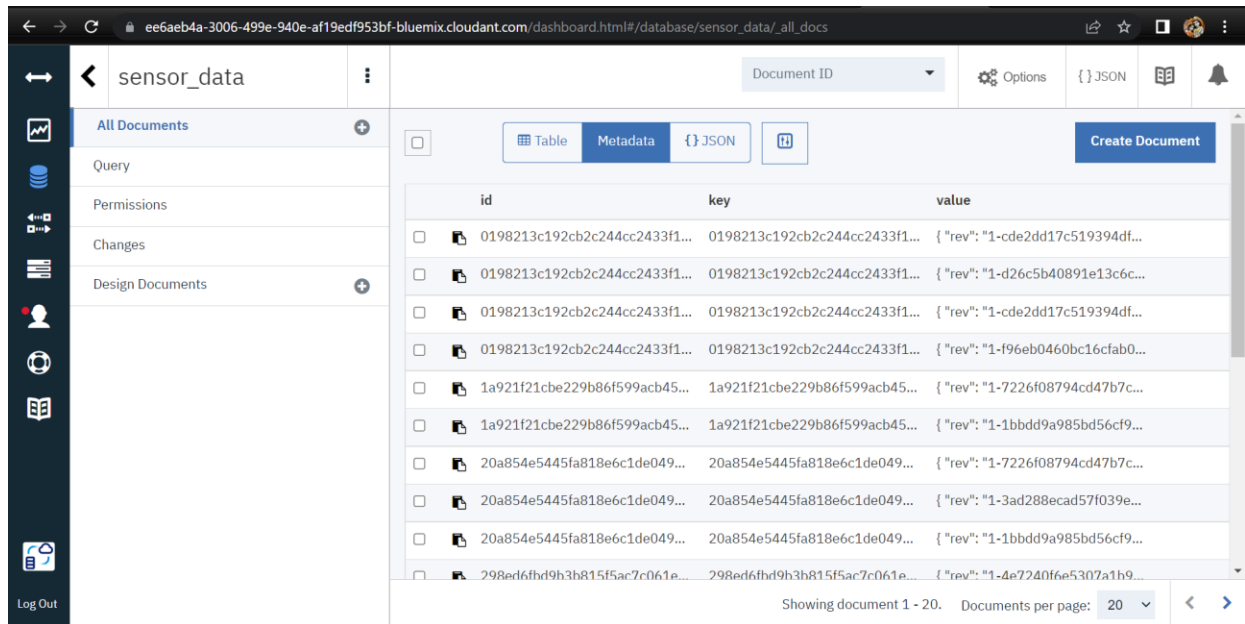
## 5 . Storing database in IBM cloudant DB.



The screenshot shows the IBM Cloudant Databases dashboard. The URL is `ee6aeb4a-3006-499e-940e-af19edf953bf-bluemix.cloudant.com/dashboard.html#/all_dbs`. The dashboard displays a table of databases under the heading "Your Databases".

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	[Icons for edit, lock, delete]
noderedwjldy20221105	37.4 KB	4	No	[Icons for edit, lock, delete]
sample	59.4 KB	351	No	[Icons for edit, lock, delete]
sensor_data	15.7 KB	90	No	[Icons for edit, lock, delete]

At the bottom, it says "Showing 1-4 of 4 databases. Databases per page: 20".



The screenshot shows the IBM Cloudant document view for the `sensor_data` database. The URL is `ee6aeb4a-3006-499e-940e-af19edf953bf-bluemix.cloudant.com/dashboard.html#/database/sensor_data/all_docs`. The view displays a table of documents with columns `id`, `key`, and `value`.

id	key	value
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df..." }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-d26c5b40891e13c6c..." }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df..." }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-f96eb0460bc16cfab0..." }
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-7226f08794cd47b7c..." }
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-1bbdd9a985bd56cf9..." }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-7226f08794cd47b7c..." }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-3ad288ecad57f039e..." }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-1bbdd9a985bd56cf9..." }
298ed6fhd9b3b815f5ac7c061e...	298ed6fhd9b3b815f5ac7c061e...	{ "rev": "1-4e7240f6e5307a1b9..." }

At the bottom, it says "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

Save Changes Cancel Upload Attachment Clone Document Delete

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

Log Out

## 7. Web UI

node-red-wjldy-2022-11-05.au-syd.mybluemix.net/ui/#/!0?socketid=mTvbmznbl9ri5aUmAACX

Log

Log Bin Status

Control

Bin in use

Range

Today Used 0

date 06/11/2022

VIEW STATUS

