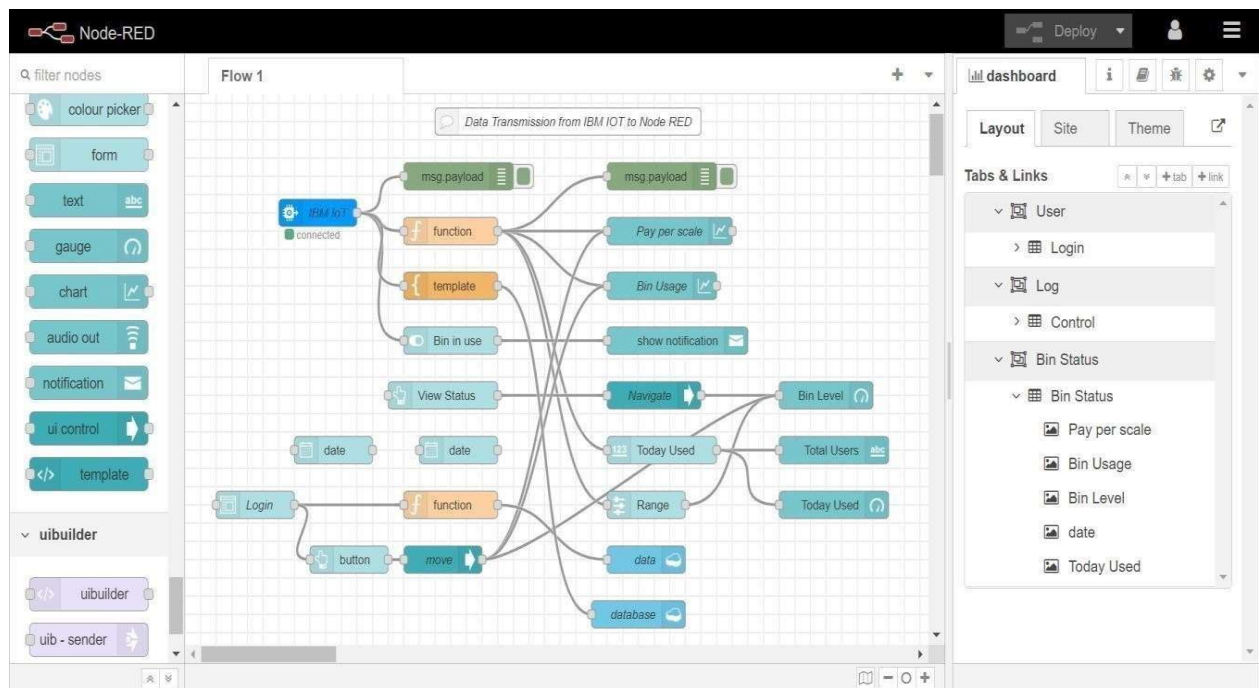


## Delivery of Sprint – 4

Date	10 November 2022
Team ID	PNT2022TMID14336
Project Name	Smart Waste Management for Metropolitan Cities

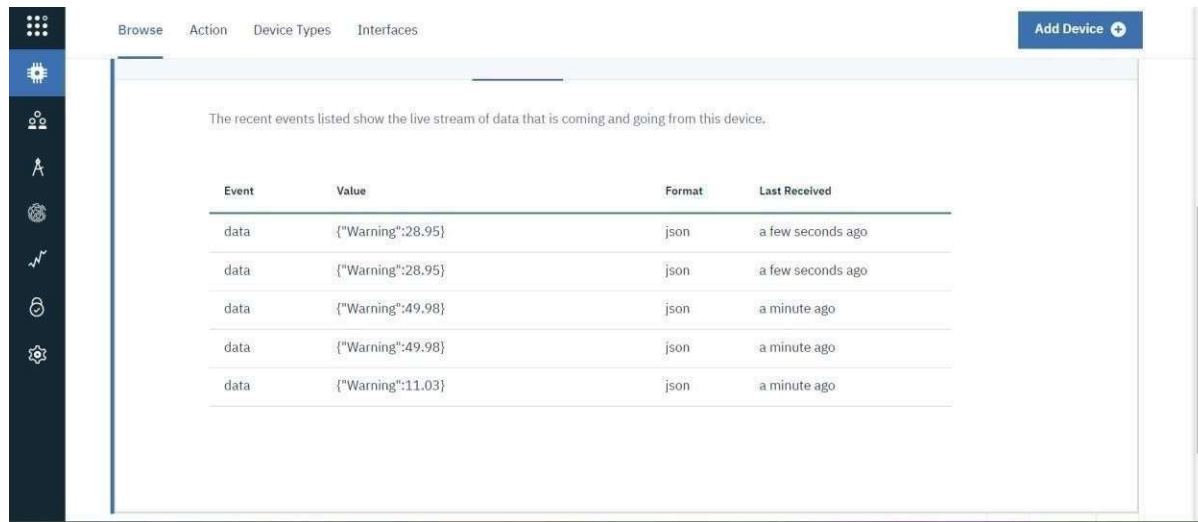
### WEB UI DESIGN AND DEPOLYMENT

1. Node-red connection setup for data transmission from IBM Watson IOT platform to Node-Red dashboard.





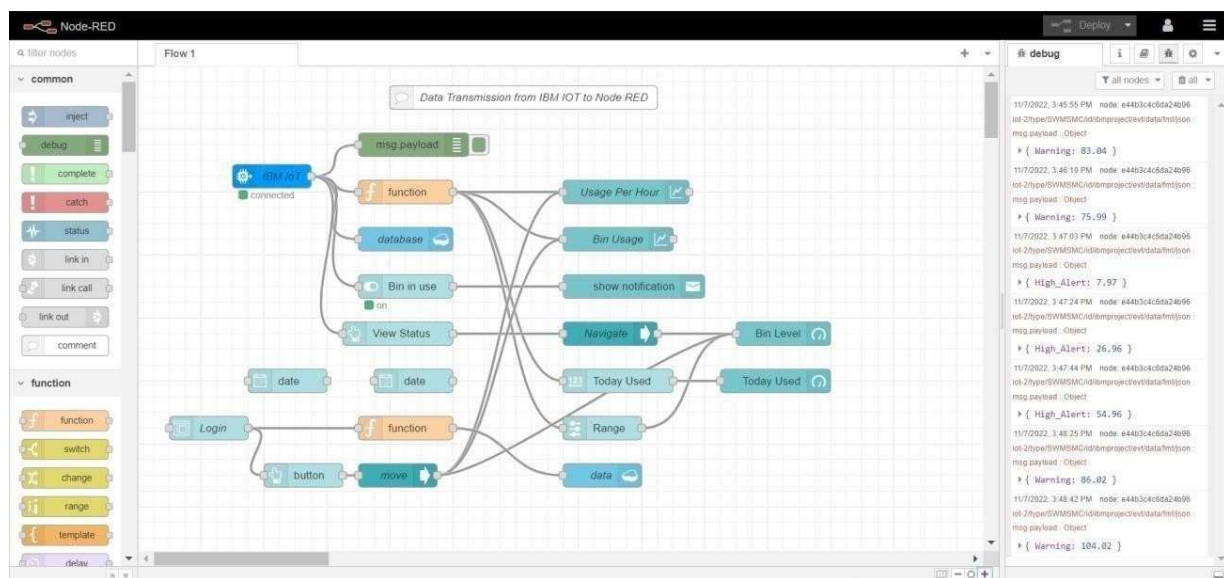
### 3. Data transfer to Watson IOT platform.



The screenshot shows the IBM Watson IoT Platform interface. At the top, there are tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A blue 'Add Device' button is in the top right. Below the tabs, a message states: 'The recent events listed show the live stream of data that is coming and going from this device.' Below this message is a table with the following columns: 'Event', 'Value', 'Format', and 'Last Received'.

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.

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Databases

Database name ▾













Create Database 

{ } JSON





Your Databases

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	  
noderedwjdty20221105	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 ▾

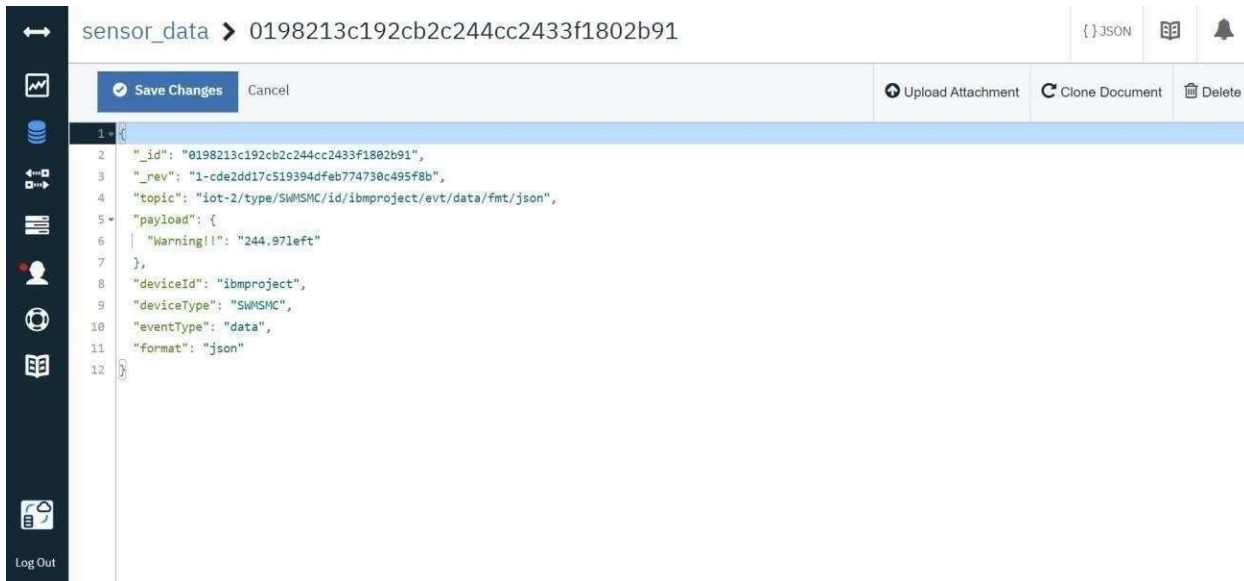
« 1 »

The screenshot displays the MongoDB Compass application window. On the left is a dark sidebar with navigation icons. The main area shows the 'sensor\_data' database selected. A top toolbar includes options like 'Document ID', 'Options', '{ } JSON', and a 'Create Document' button. Below the toolbar, there are tabs for 'Table', 'Metadata', and '{ } JSON'. The central pane shows a table view of documents from the 'sensor\_data' collection. Each document has three fields: 'id', 'key', and 'value'. The 'value' field contains JSON objects representing sensor readings.

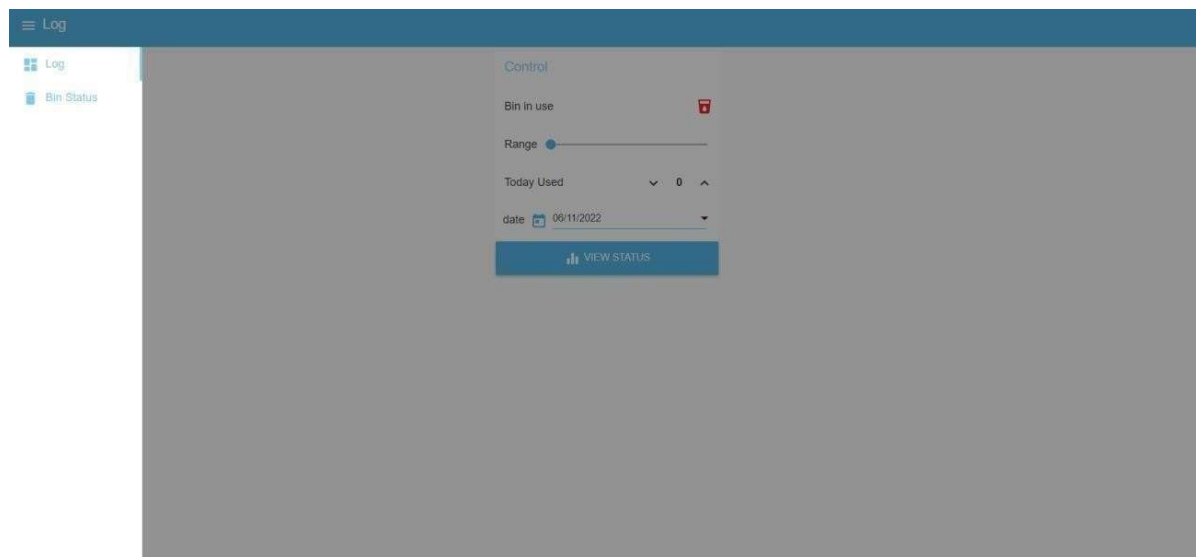
	id	key	value
<input type="checkbox"/>	0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{"rev": "1-cde2dd17c519394df..."}
<input type="checkbox"/>	0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{"rev": "1-d26c5b40891e13c6c..."}
<input type="checkbox"/>	0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{"rev": "1-cde2dd17c519394df..."}
<input type="checkbox"/>	0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{"rev": "1-f96eb0460bc16cfab0..."}
<input type="checkbox"/>	1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{"rev": "1-7226f0879acd47b7c..."}
<input type="checkbox"/>	1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{"rev": "1-1bbdd9a985bd56cf9..."}
<input type="checkbox"/>	20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{"rev": "1-7226f0879acd47b7c..."}
<input type="checkbox"/>	20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{"rev": "1-3ad288ecad57f039e..."}
<input type="checkbox"/>	20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{"rev": "1-1bbdd9a985bd56cf9..."}
<input type="checkbox"/>	298ed6fbd9b3b815f5ac7c061e...	298ed6fbd9b3b815f5ac7c061e...	l {"rev": "1-de72d0f6a5307a1h9..."}

At the bottom right, it indicates 'Showing document 1 - 20.' and 'Documents per page: 20'.

## 6. Data is stored in JSON format



## 7. Web UI



≡ Log

Control

Bin in use

Range

Today Used

0

date

06/11/2022

VIEW STATUS

