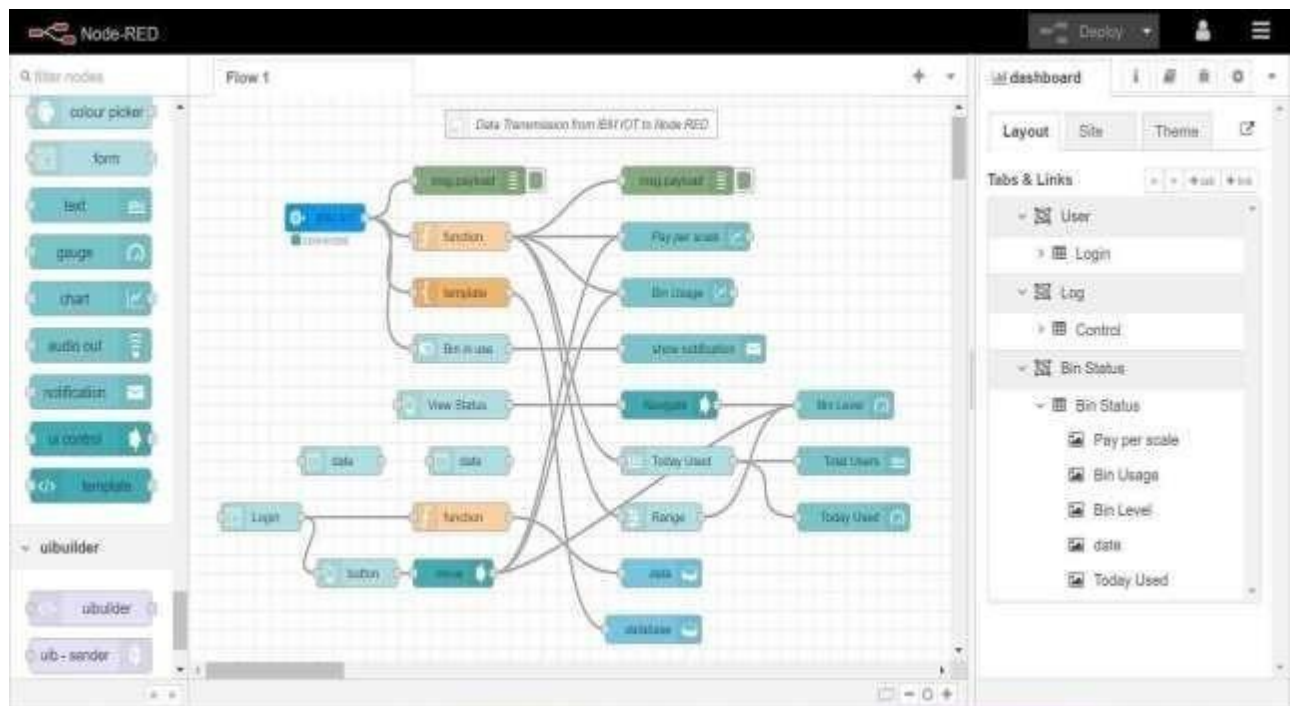
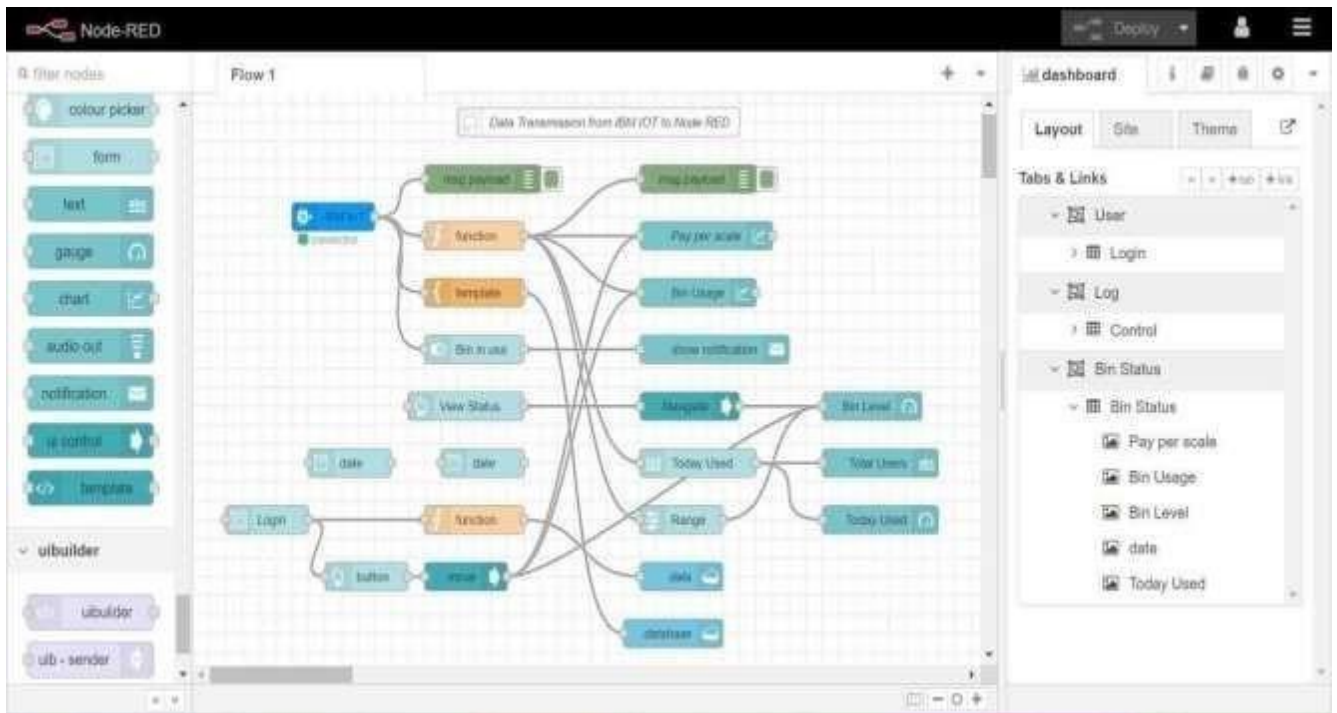


## Web UI Design and Deploy

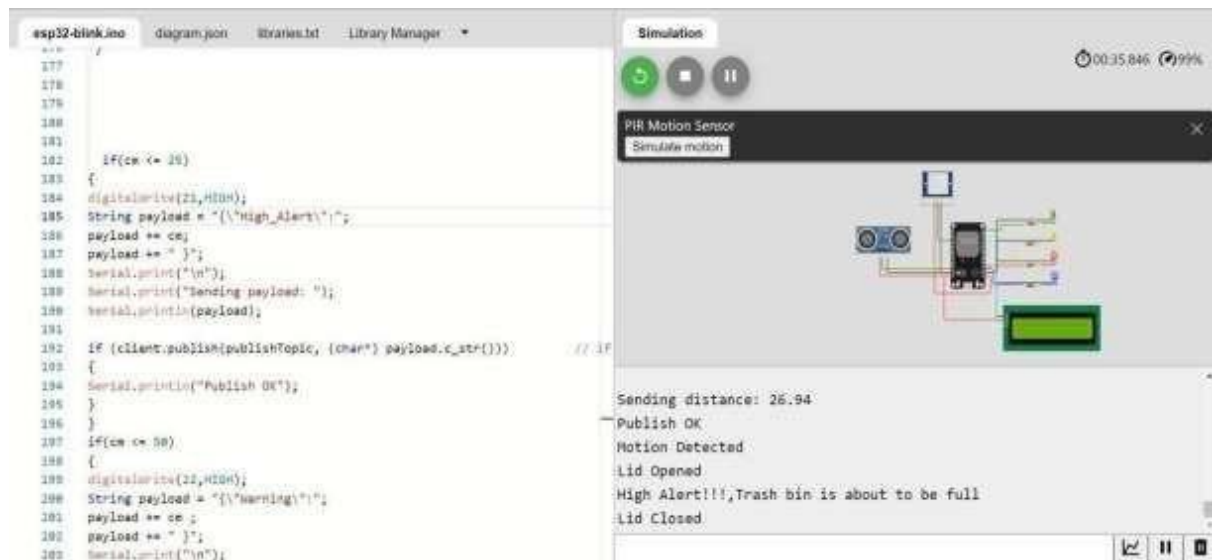
Team ID	PNT2022TMID43251
Project Name	Smart Waste Management for Metropolitan Cities

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.

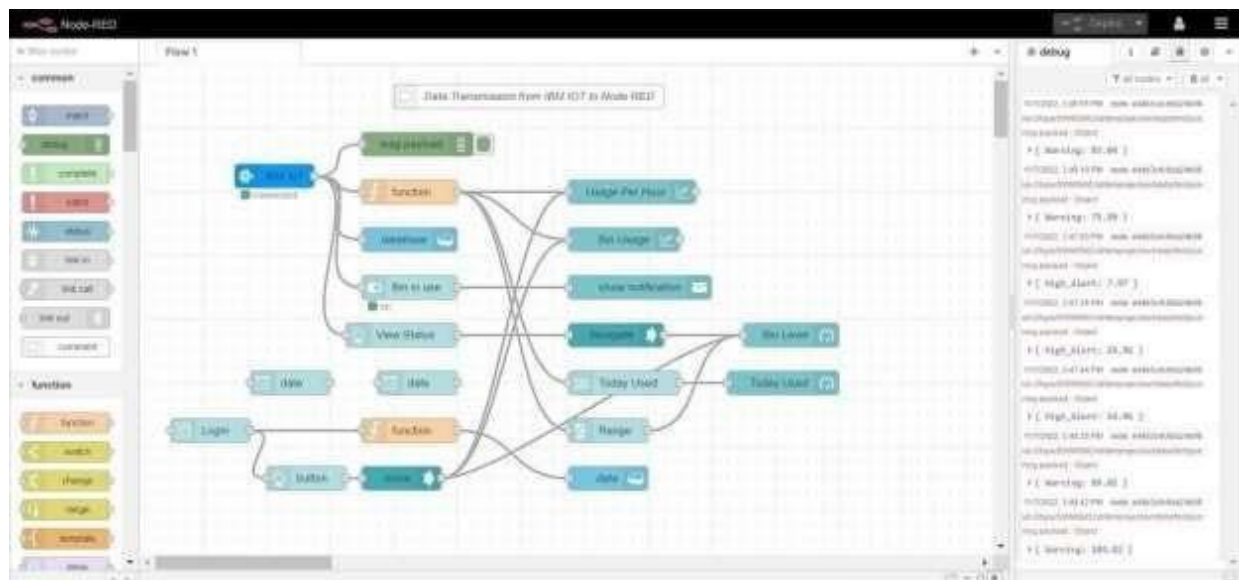


### 3. Data transfer to Watson IOT platform.

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":28.96]	json	a few seconds ago
data	["Warning":49.98]	json	a minute ago
data	["Warning":49.99]	json	a minute ago
data	["Warning":11.83]	json	a minute ago

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



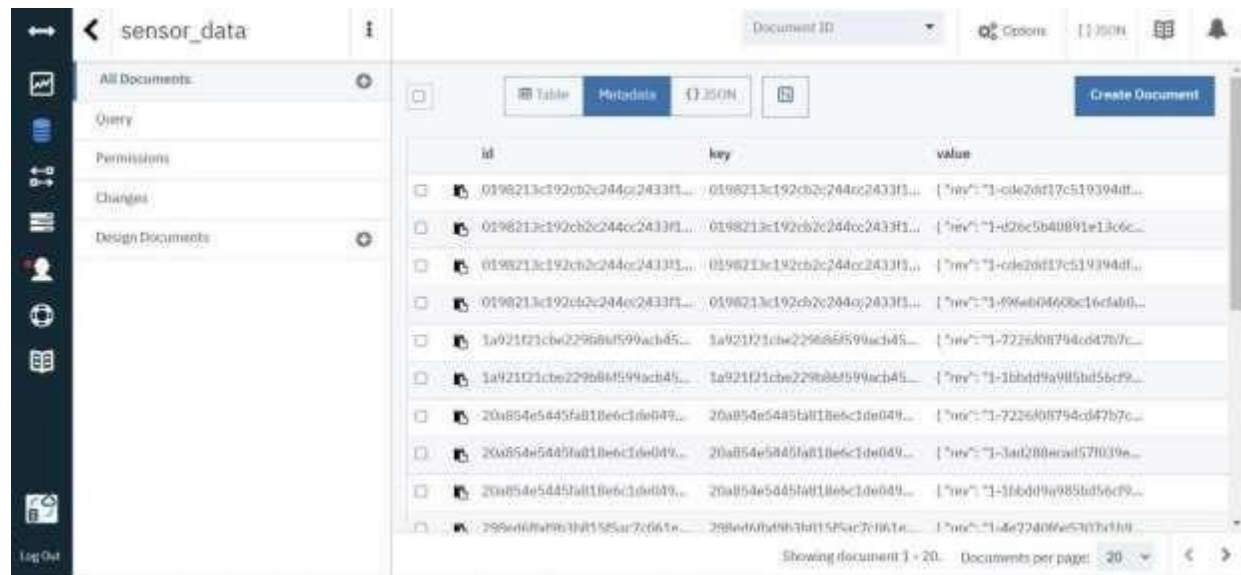
## 5 . Storing database in IBM cloudant DB.



The screenshot shows the IBM Cloudant Databases interface. At the top, there's a 'Databases' header with a search bar and a 'Create Database' button. Below this, a table lists the databases. The table has columns for Name, Size, # of Docs, Partitioned, and Actions. The databases listed are 'login\_credentials', 'nodemdfwily20221109', 'sample', and 'sensor\_data'. Each database has a size, a number of documents, and a partitioned status. The 'sensor\_data' database is highlighted.

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	[Icons]
nodemdfwily20221109	37.4 KB	4	No	[Icons]
sample	59.4 KB	351	No	[Icons]
sensor_data	15.7 KB	90	No	[Icons]

Showing 1-4 of 4 databases. Databases per page: 20

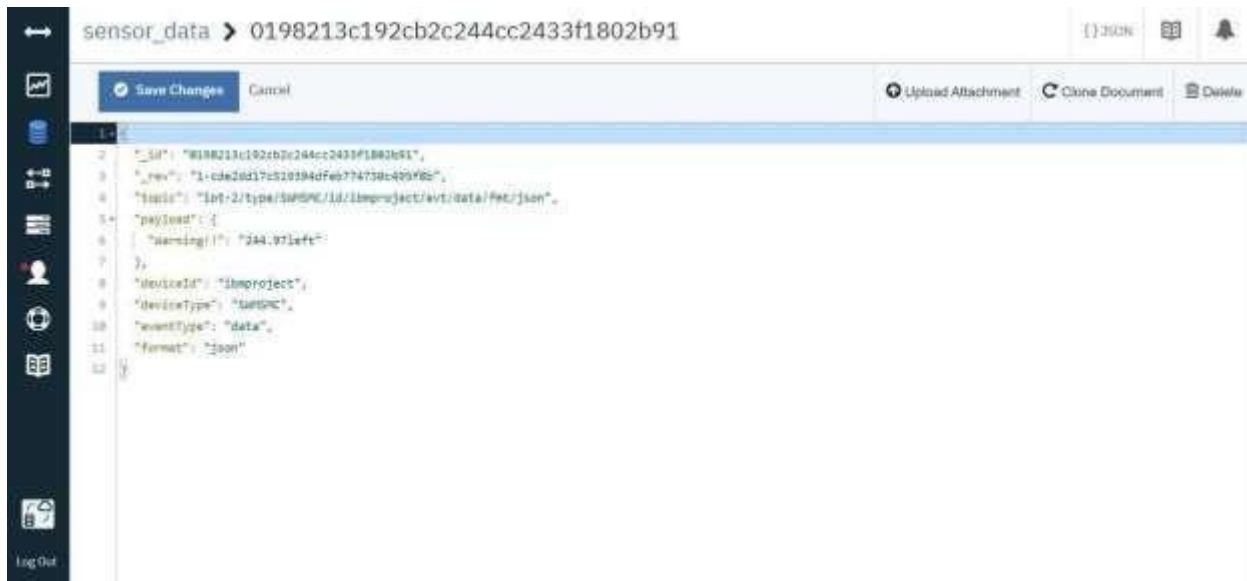


The screenshot shows the IBM Cloudant 'sensor\_data' database view. The interface includes a sidebar with navigation options like 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. The main area displays a list of documents in JSON format. Each document has a unique 'id' and a 'key' value. The 'value' field contains a JSON object with a 'rev' property and a 'data' array. The documents are sorted by 'key'.

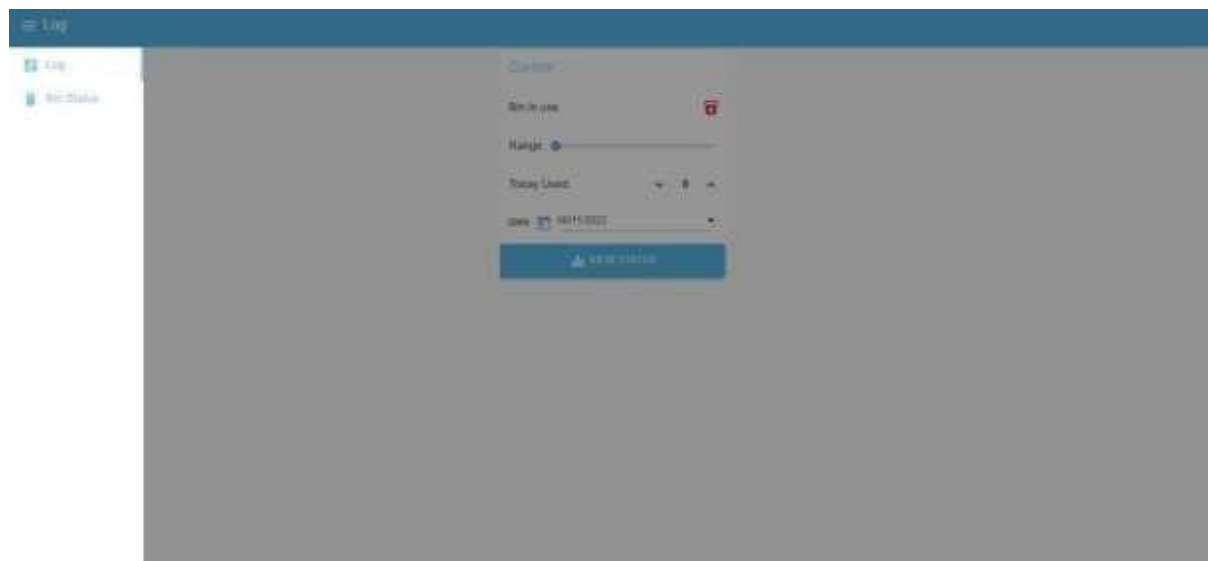
id	key	value
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde20d17c519394df...", "data": ... }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-d26c5b40891e13c6c...", "data": ... }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde20d17c519394df...", "data": ... }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-996b04608c16fab0...", "data": ... }
1a921f21cbe22968d599acb45...	1a921f21cbe22968d599acb45...	{ "rev": "1-7226d08794cd47b7c...", "data": ... }
1a921f21cbe22968d599acb45...	1a921f21cbe22968d599acb45...	{ "rev": "1-1b5d9a985ba56c9...", "data": ... }
20a854e5445fab18e6c1de049...	20a854e5445fab18e6c1de049...	{ "rev": "1-7226d08794cd47b7c...", "data": ... }
20a854e5445fab18e6c1de049...	20a854e5445fab18e6c1de049...	{ "rev": "1-1ad200acaa57b039e...", "data": ... }
20a854e5445fab18e6c1de049...	20a854e5445fab18e6c1de049...	{ "rev": "1-1b5d9a985ba56c9...", "data": ... }
298e6d6b9b3b115f5ac7c061e...	298e6d6b9b3b115f5ac7c061e...	{ "rev": "1-1de72d06e5707a3b9...", "data": ... }

Showing document 1 - 20. Documents per page: 20

## 6. Data is stored in JSON format



## 7. Web UI



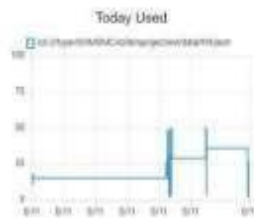
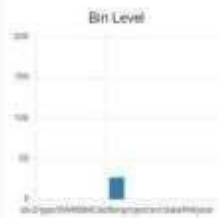
Ben Al-Jaber

Range 

Time Used

date: 06/11/2022

### File Status



date 06/11/2022



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