

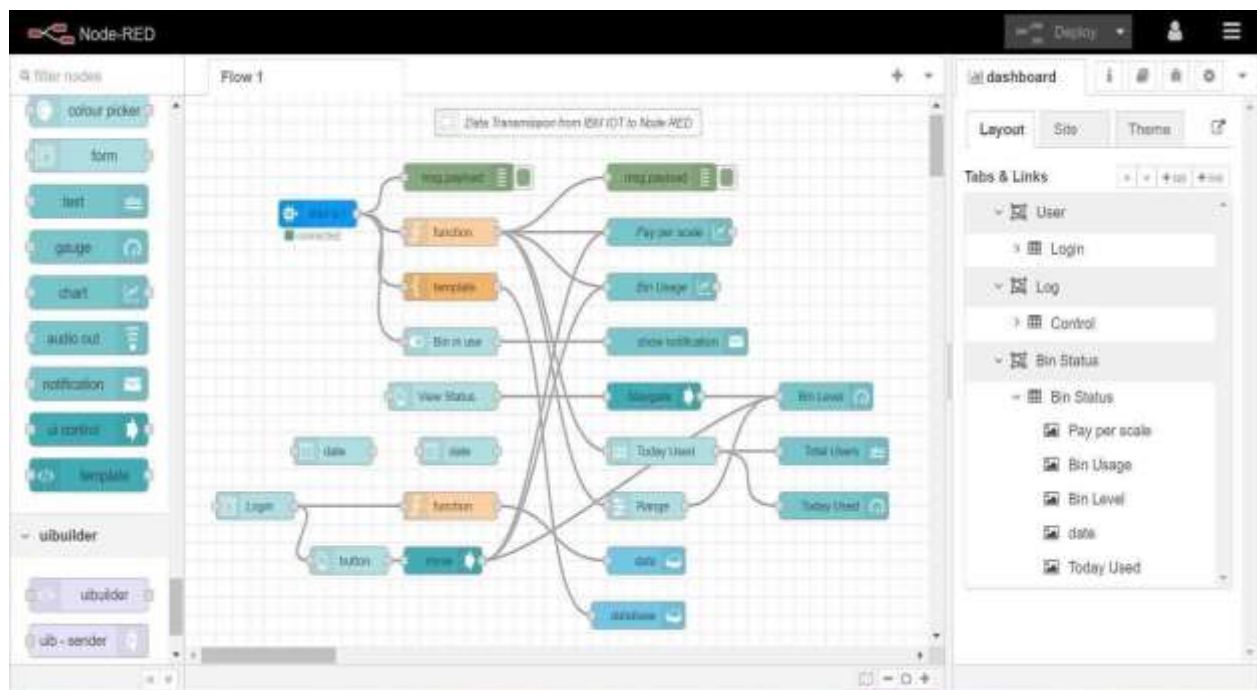
## Delivery of Sprint – 4

Date	10 November 2022
Team ID	PNT2022TMID18073
Project Name	Smart Waste Management for Metropolitan Cities

1. N

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

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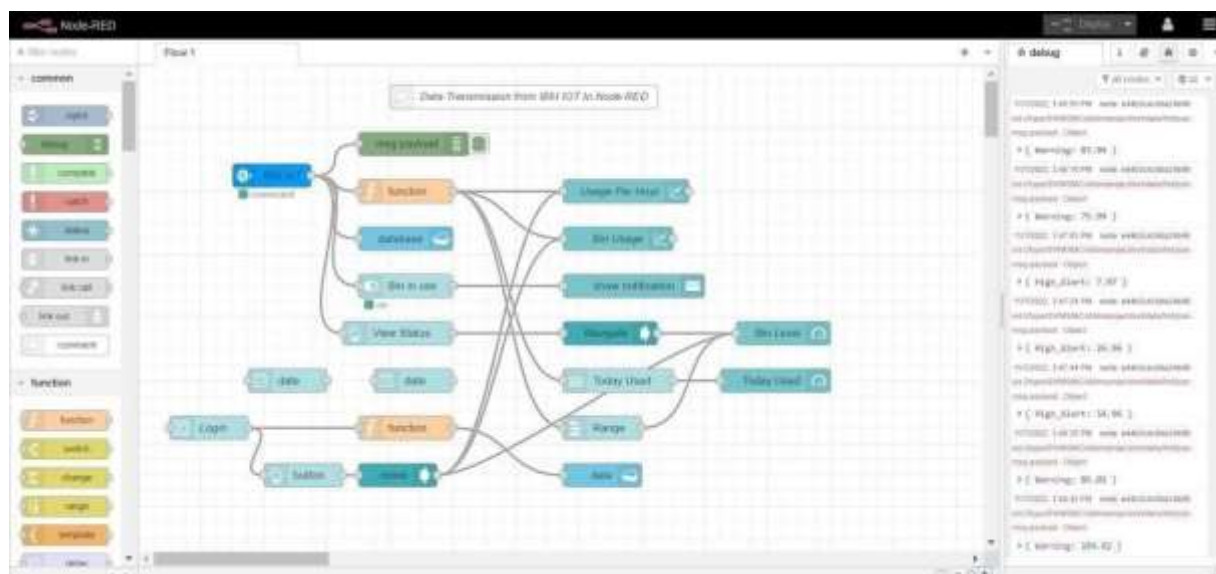
### 3. Data transfer to Watson IOT platform.

BrowseActionDevice TypesInterfacesAdd Device


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":49.99}]	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.

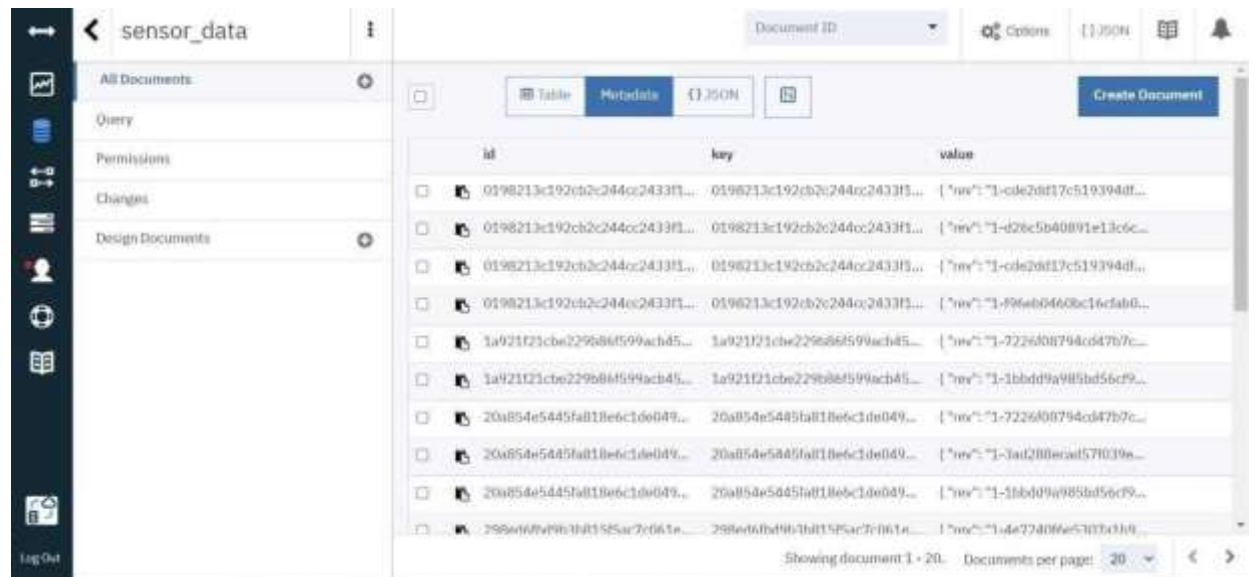


## 5 . Storing database in IBM cloudant DB.



The screenshot shows the IBM Cloudant Databases interface. At the top, there's a 'Databases' header with a 'Database name' dropdown, a 'Create Database' button, and a 'JSON' icon. Below this is a table titled 'Your Databases' with columns: Name, Size, # of Docs, Partitioned, and Actions. The table lists four databases: 'login\_credentials' (13.7 KB, 111 docs, not partitioned), 'nodemdwjdy20221105' (37.4 KB, 4 docs, not partitioned), 'sample' (59.4 KB, 351 docs, not partitioned), and 'sensor\_data' (15.7 KB, 90 docs, not partitioned). Each database has three action icons: a list icon, a lock icon, and a delete icon. At the bottom, it says 'Showing 1-4 of 4 databases. Databases per page: 20'.

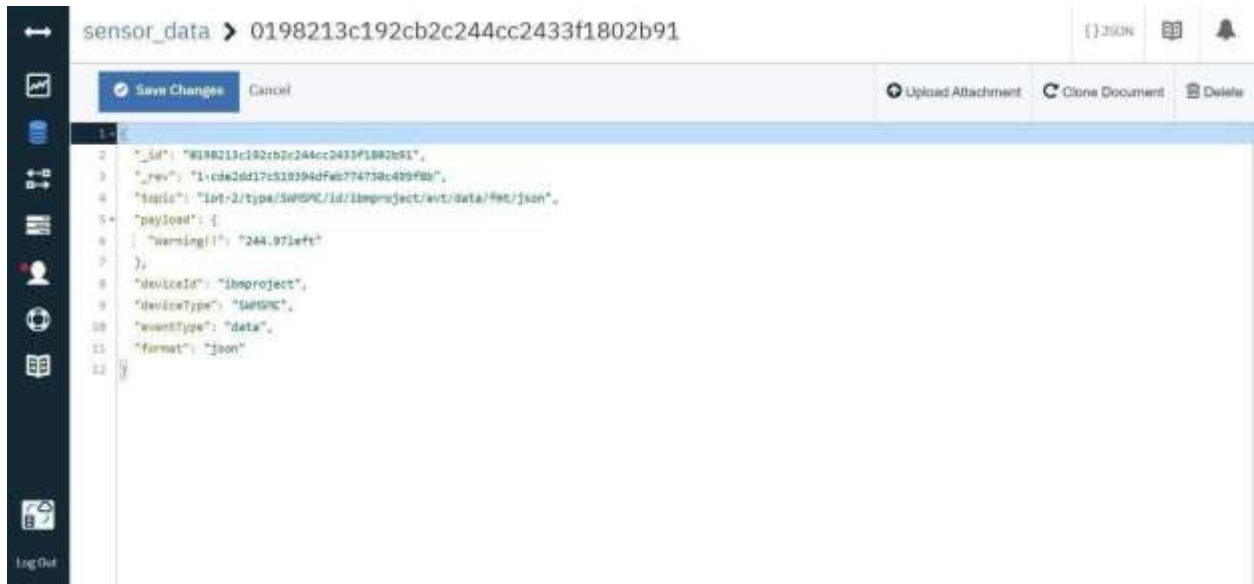
Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	[Icons]
nodemdwjdy20221105	37.4 KB	4	No	[Icons]
sample	59.4 KB	351	No	[Icons]
sensor_data	15.7 KB	90	No	[Icons]



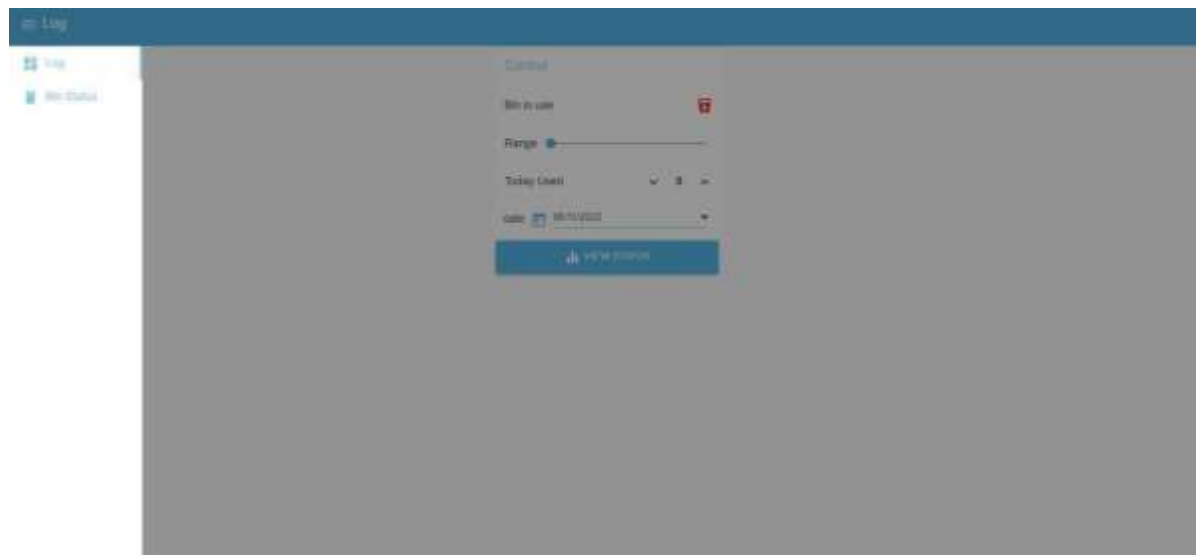
The screenshot shows the IBM Cloudant 'sensor\_data' document view. The left sidebar has tabs for 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. The main area has tabs for 'Table', 'Metadata', and 'JSON'. The 'JSON' tab is selected, showing a list of documents with columns: id, key, and value. The documents are listed in a table with checkboxes for each row. At the bottom, it says 'Showing document 1 - 20. Documents per page: 20'.

id	key	value
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2df17c519394df...
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-d26c5b40891e13c6c...
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2df17c519394df...
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-996eb0460bc16cfab0...
1a921f21cbe229b86f599ach45...	1a921f21cbe229b86f599ach45...	{ "rev": "1-7226d08794cd47b7c...
1a921f21cbe229b86f599ach45...	1a921f21cbe229b86f599ach45...	{ "rev": "1-1bbdd9a985bd56cf9...
20a854e5445fab18e6c1de049...	20a854e5445fab18e6c1de049...	{ "rev": "1-7226d08794cd47b7c...
20a854e5445fab18e6c1de049...	20a854e5445fab18e6c1de049...	{ "rev": "1-3a1200ecad57f039e...
20a854e5445fab18e6c1de049...	20a854e5445fab18e6c1de049...	{ "rev": "1-1bbdd9a985bd56cf9...
2989e6f6f9b3b1f15f5ac7c7b61e...	2989e6f6f9b3b1f15f5ac7c7b61e...	{ "rev": "1-4e72d06e5303cd1b9...

## 6. Data is stored in JSON format



## 7. Web UI



Log

Control

Bin in use

Range

Today Used

date

VIEW STATUS

