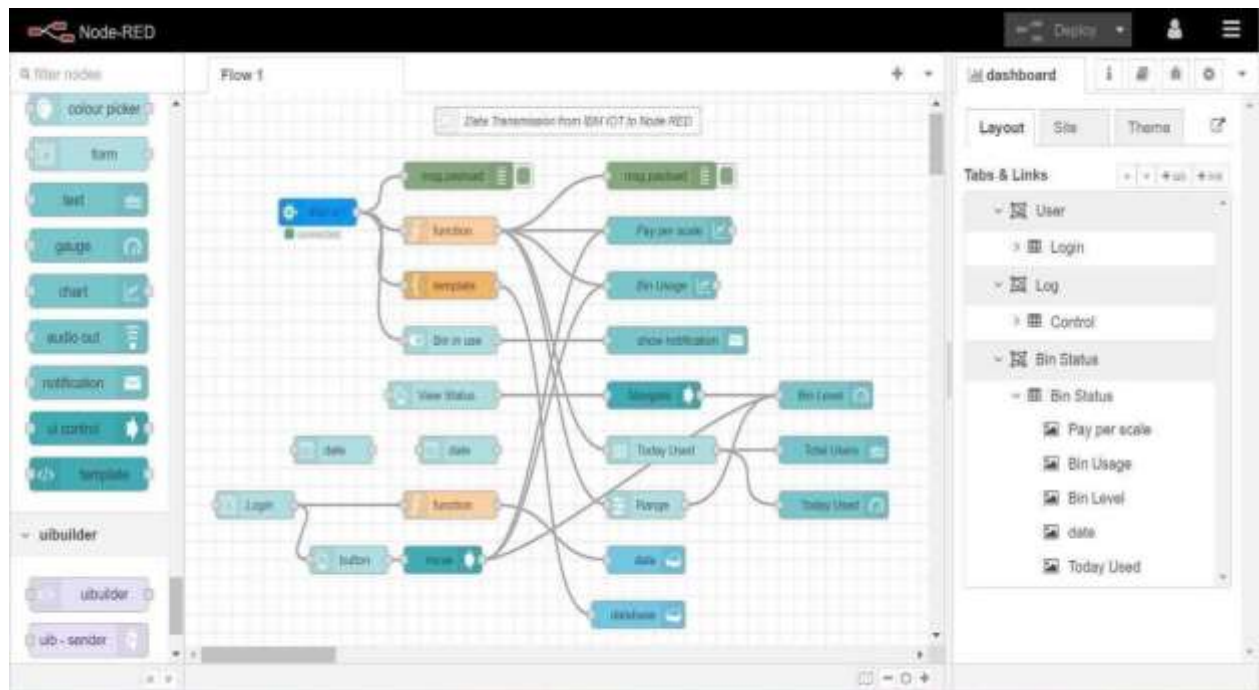


Delivery of Sprint – 4

Date	⁺ 16 ^h November 2022
Team ID	PNT2022TMID05359
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.



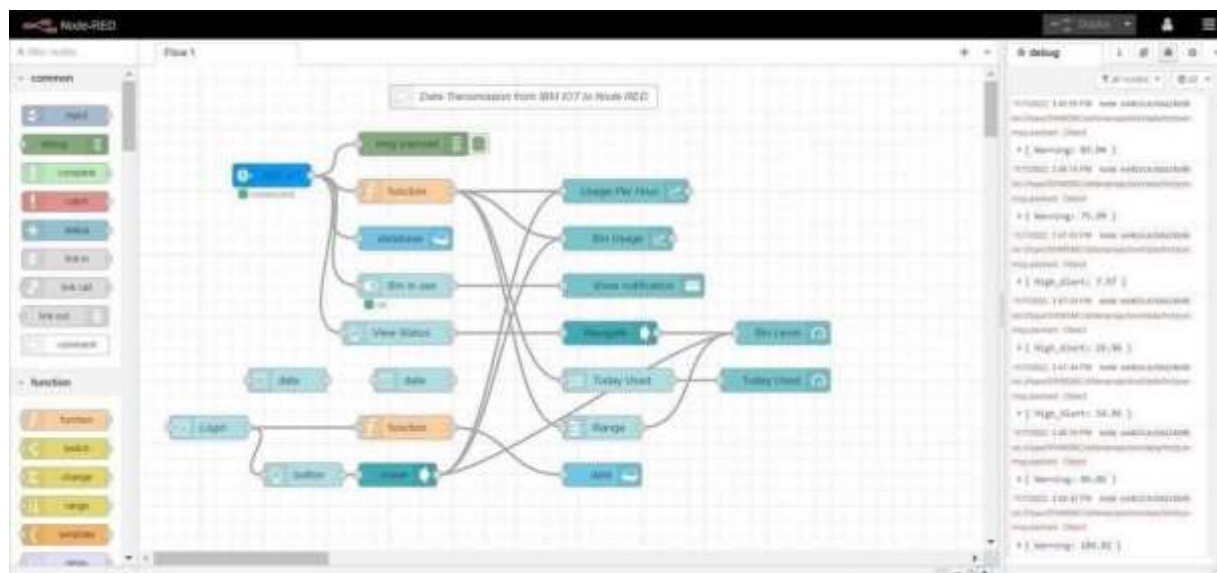
3. Data transfer to Watson IOT platform.

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":49.98}]	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.

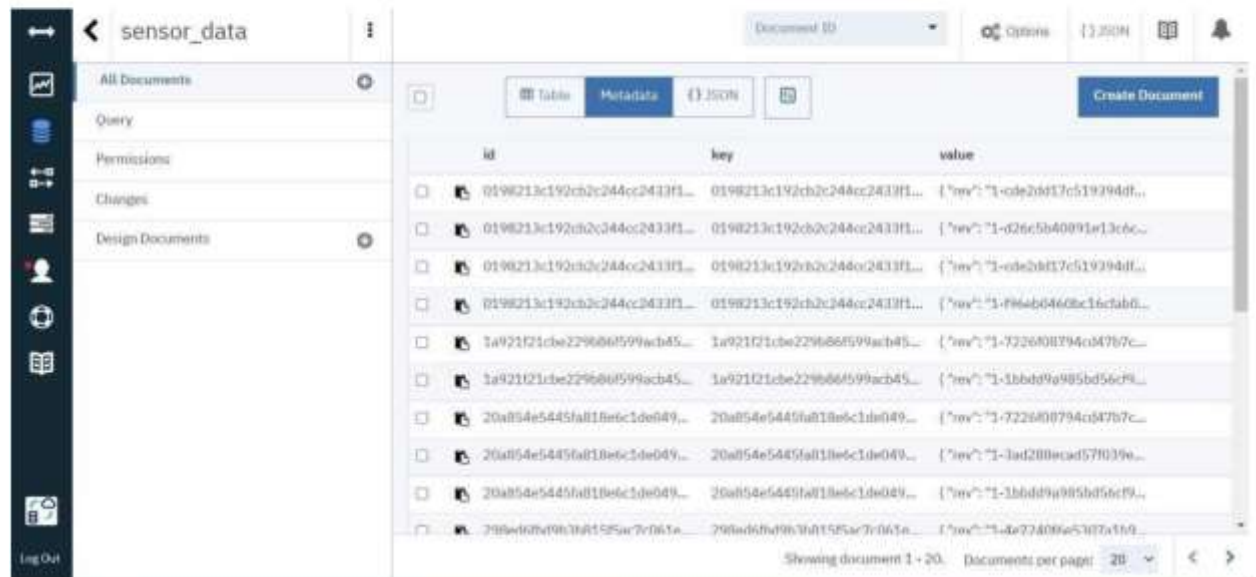


5 . Storing database in IBM cloudant DB.



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', 'nodemidwidy20221105', 'sample', and 'sensor_data'. Each database has three action icons: a document icon, a lock icon, and a trash icon. At the bottom, it says 'Showing 1-4 of 4 databases. Databases per page: 20'.

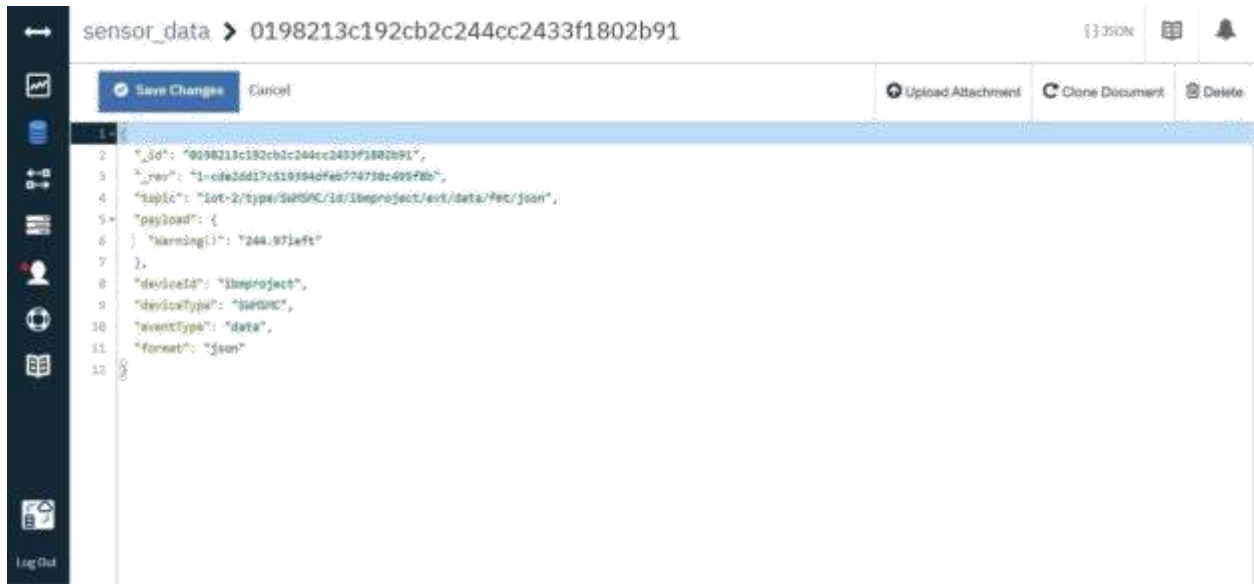
Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	[Icons]
nodemidwidy20221105	37.4 KB	4	No	[Icons]
sample	59.4 KB	351	No	[Icons]
sensor_data	15.7 KB	90	No	[Icons]



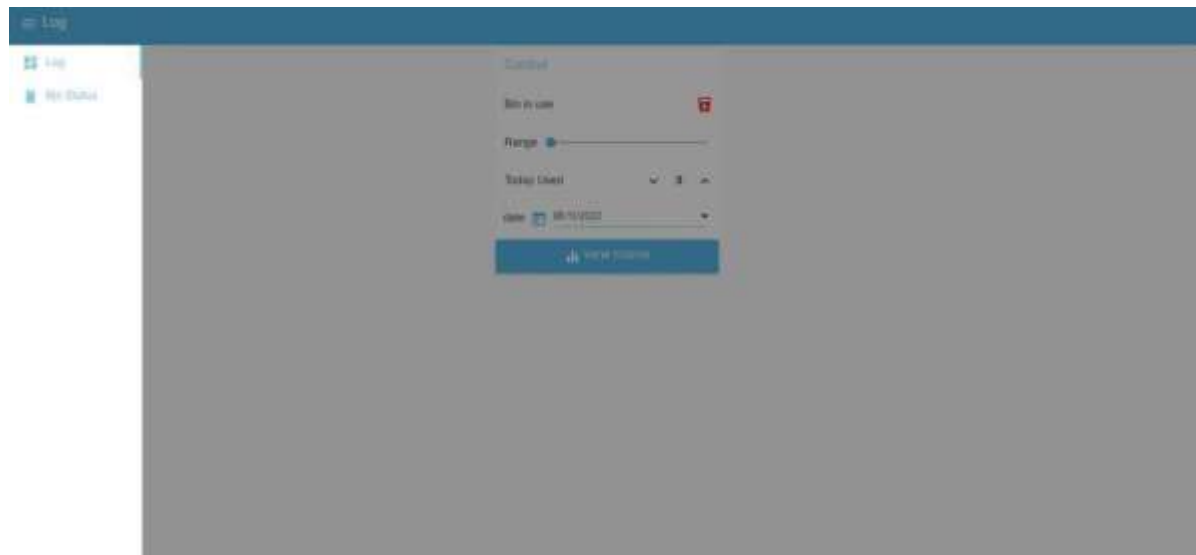
The screenshot shows the IBM Cloudant 'sensor_data' database view. The left sidebar has options: All Documents, Query, Permissions, Changes, and Design Documents. The main area has tabs for 'Table', 'Metadata', and 'JSON', with 'JSON' selected. A 'Create Document' button is in the top right. The table displays columns: id, key, and value. It shows a list of documents with their IDs and keys, and their values in JSON format. At the bottom, it says 'Showing document 1 - 20. Documents per page: 20'.

id	key	value
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2b817c519394df...",
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-d26c5b40891e13c6e...",
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2b817c519394df...",
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-f864b04608c16cfab6...",
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-7226001794c047b7c...",
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-1bbdd9a985bd56cf9...",
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-7226001794c047b7c...",
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-1ad200ecad57039e...",
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-1bbdd9a985bd56cf9...",
298ad6b9b3b01525ac7c061e...	298ad6b9b3b01525ac7c061e...	{ "rev": "1-4e72409e5307a1b9...",

6. Data is stored in JSON format



7. Web UI




Log

Control

Bin in use 

Range 

Today Used   

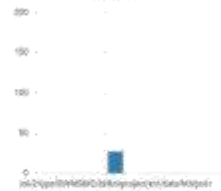
date  06/11/2022 

 VIEW STATUS

Bin Status

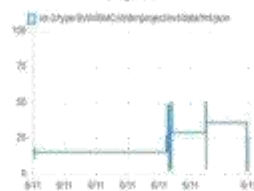
Bin Status

Bin Level



date  06/11/2022

Today Used



Bin Level



Today Used

