

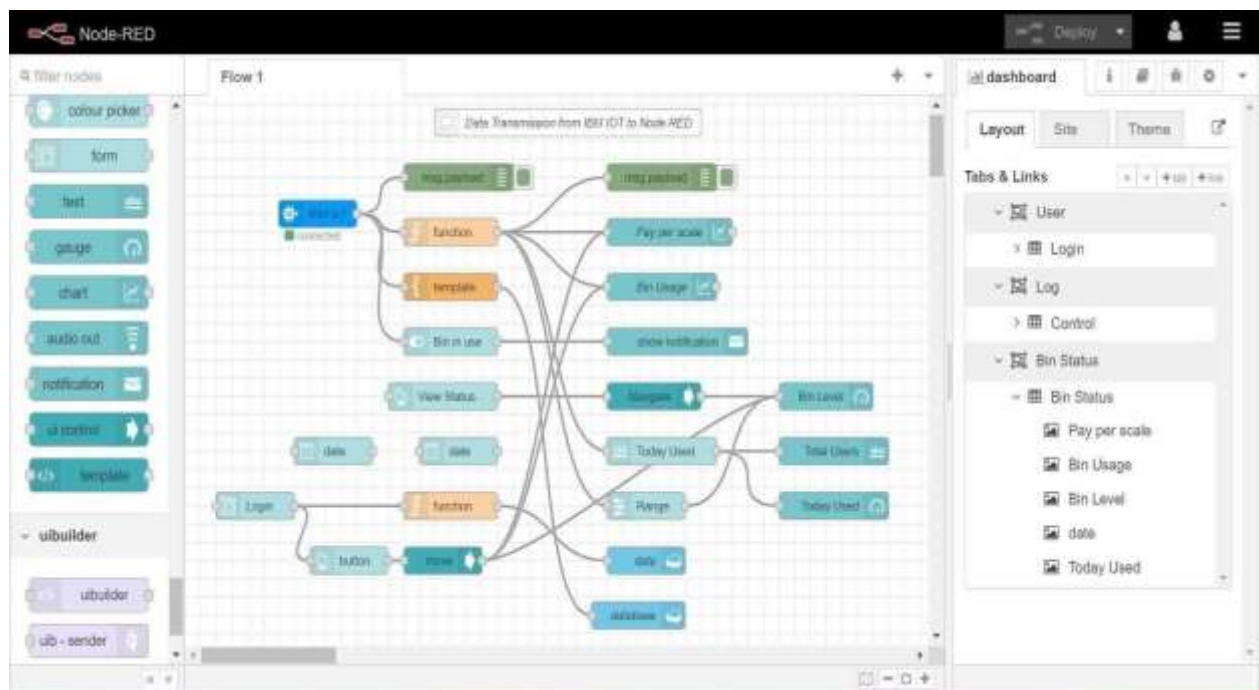
Delivery of Sprint – 4

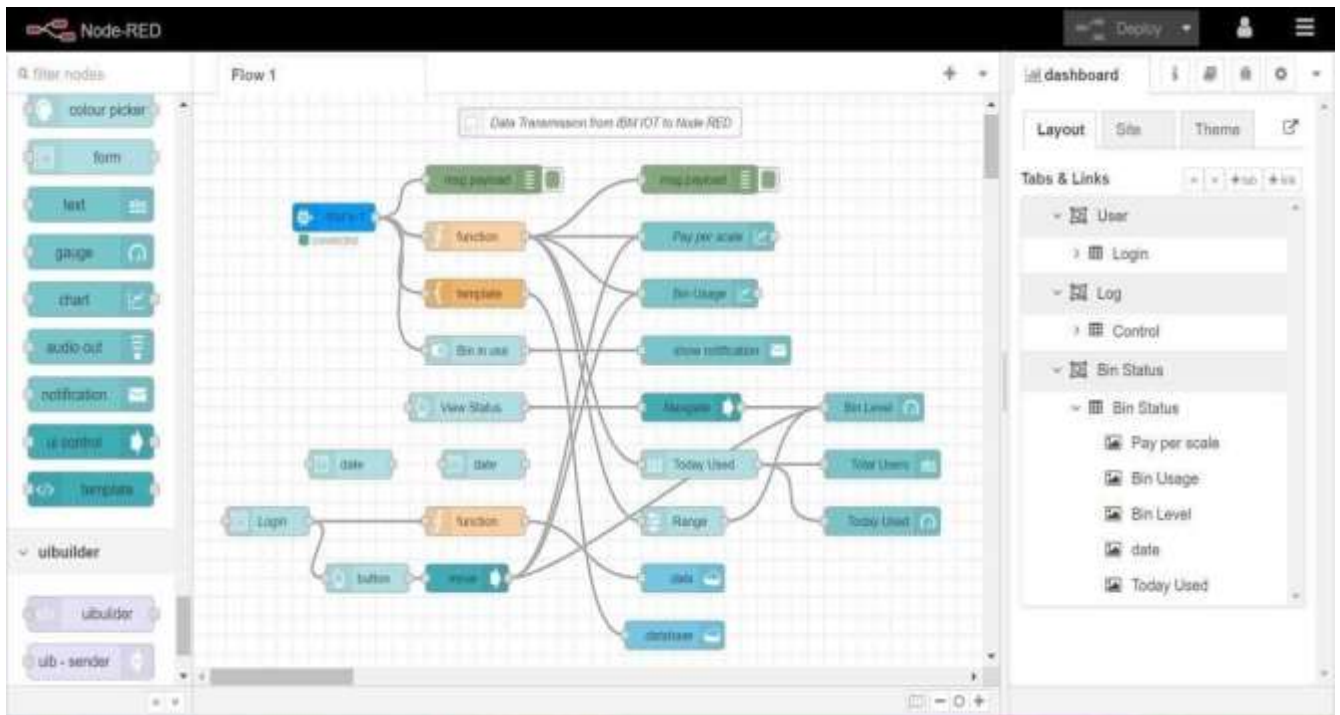
WEB UI DESIGN AND DEPLOY

Date	13 NOVEMBER 2022
Team ID	PNT2022TMID30107
Project Name	Smart Waste Management for Metropolitan Cities

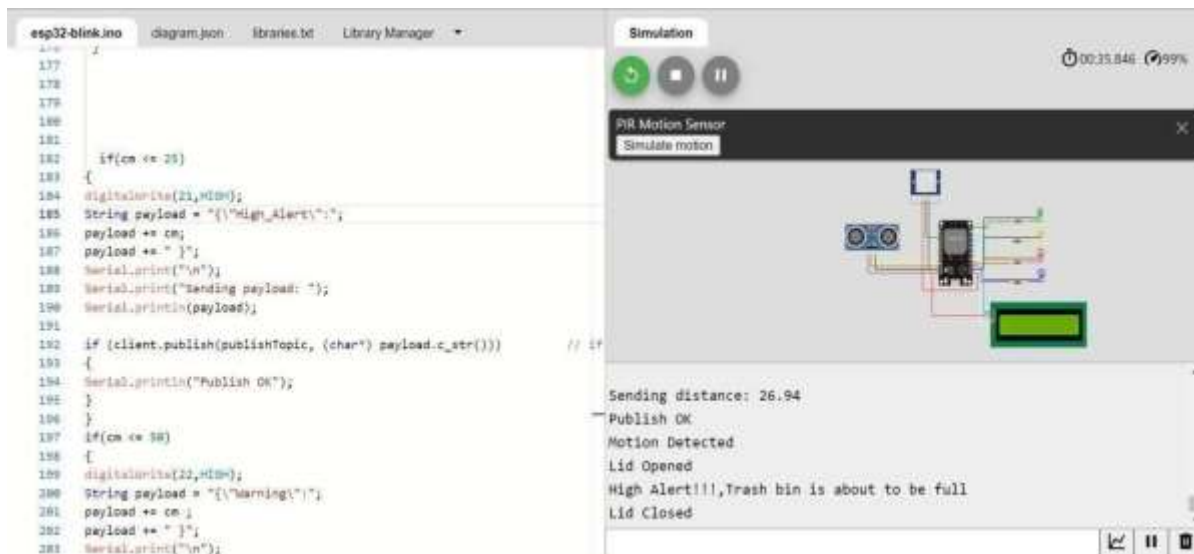
1. Node-RED Connection setup for data transmission from IBM Watson IOT platform to Node-RED dashboard.

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2. Simulate Wokwi connection to transmit data from wokwi account to IBM Watson IOT platform and then to Node Red dashboard.

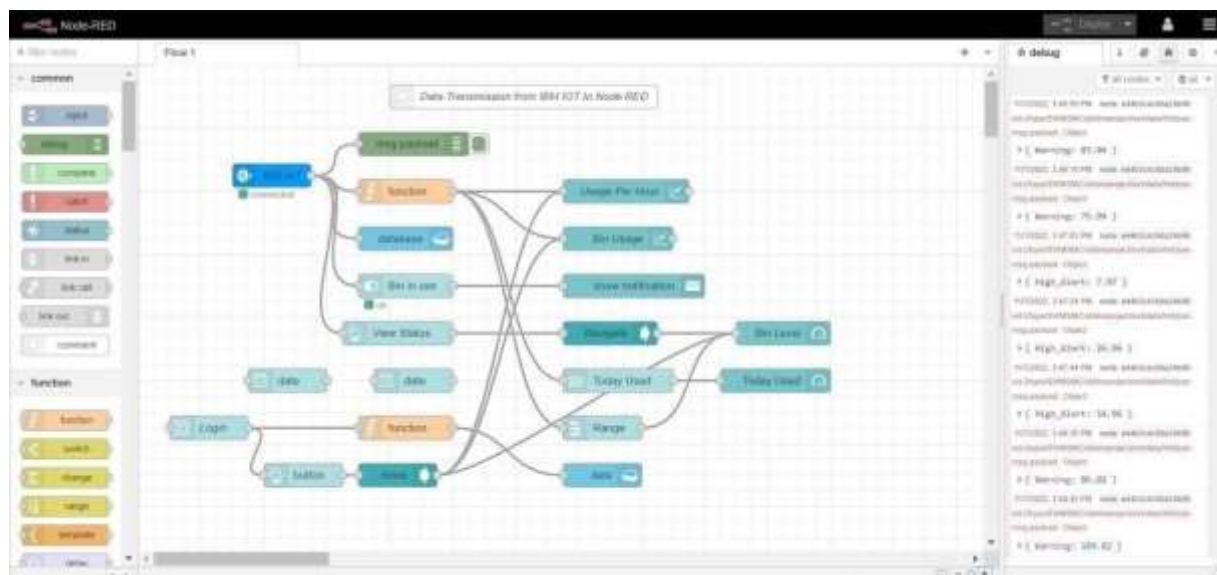


3. Data transfer to Watson IOT platform.

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":28.95}	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.



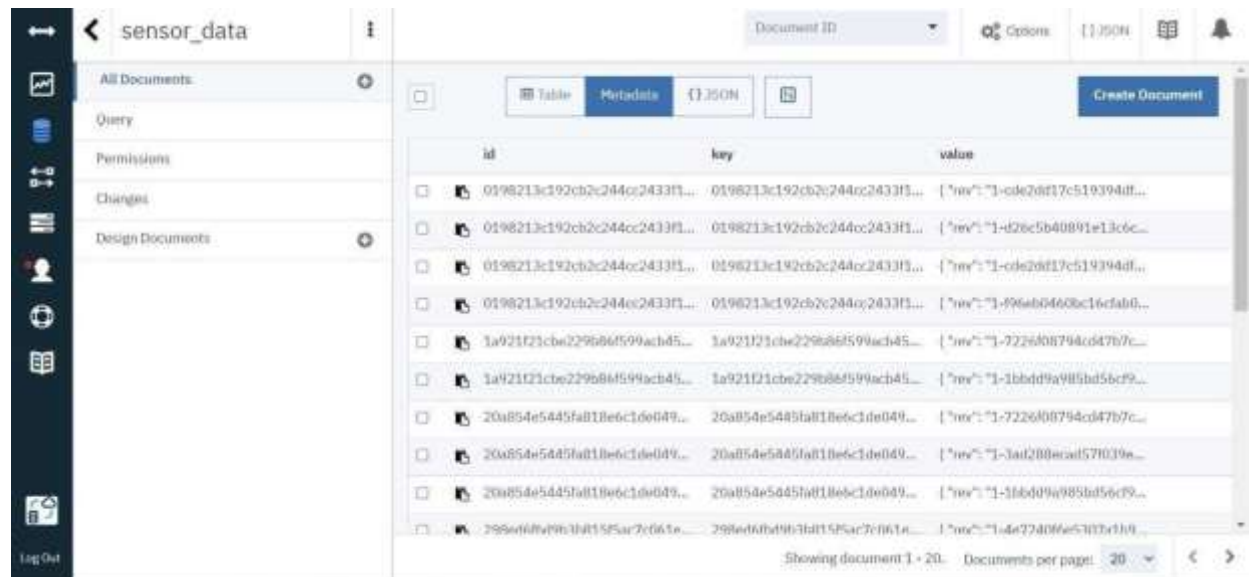
5 . Storing database in IBM cloudant DB.



The screenshot shows the IBM Cloudant Databases interface. At the top, there's a 'Databases' header with a 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, nodemdwjdy20221105, sample, and sensor_data. Each database has a size, a number of documents, and a partitioned status. The Actions column contains icons for editing, deleting, and other database management tasks.

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]

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

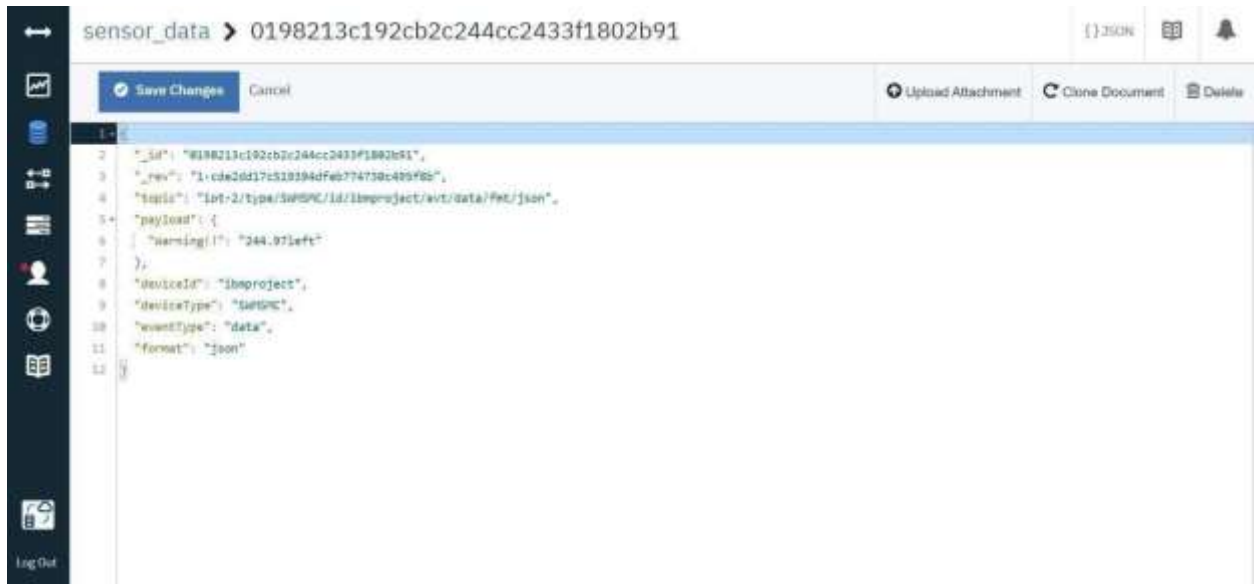


The screenshot shows the IBM Cloudant interface for the 'sensor_data' database. The left sidebar contains navigation options like 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. The main area displays a list of documents in JSON format. Each document has an 'id', a 'key', and a 'value'. The 'value' field contains a JSON object with a 'rev' property and a 'data' property. The documents are listed in a table with checkboxes for selection. At the bottom, it shows 'Showing document 1 - 20' and 'Documents per page: 20'.

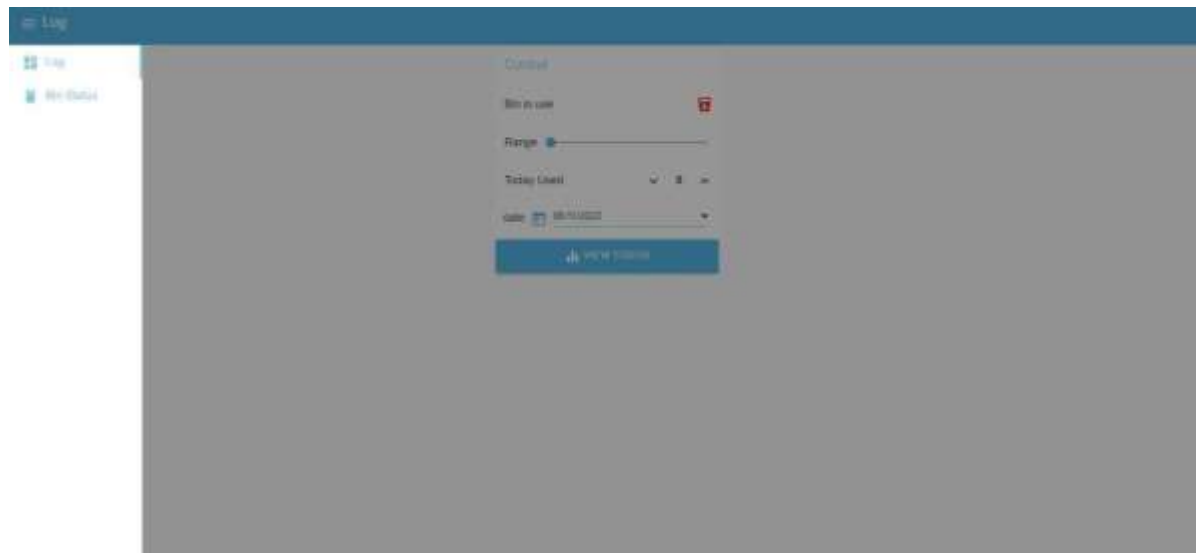
id	key	value
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2d8f17c519394df...", "data": ... }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-d26c5b40891e13c6c...", "data": ... }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2d8f17c519394df...", "data": ... }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-996ab04608c16cfab0...", "data": ... }
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-7226d08794cd47b7c...", "data": ... }
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-1bbdd9a985bd56cf9...", "data": ... }
20a854e5445fab18e6c1de049...	20a854e5445fab18e6c1de049...	{ "rev": "1-7226d08794cd47b7c...", "data": ... }
20a854e5445fab18e6c1de049...	20a854e5445fab18e6c1de049...	{ "rev": "1-3a1200acaf57039e...", "data": ... }
20a854e5445fab18e6c1de049...	20a854e5445fab18e6c1de049...	{ "rev": "1-1f6d09a985bd56cf9...", "data": ... }
298e6f6bd9b3bf15f5ac7c061e...	298e6f6bd9b3bf15f5ac7c061e...	{ "rev": "1-4e72d06e5303e1b0...", "data": ... }

Showing document 1 - 20. Documents per page: 20

6. Data is stored in JSON format



7. Web UI



Log

Control

Bin in use

Range

Today Used

date 06/11/2022

VIEW STATUS

