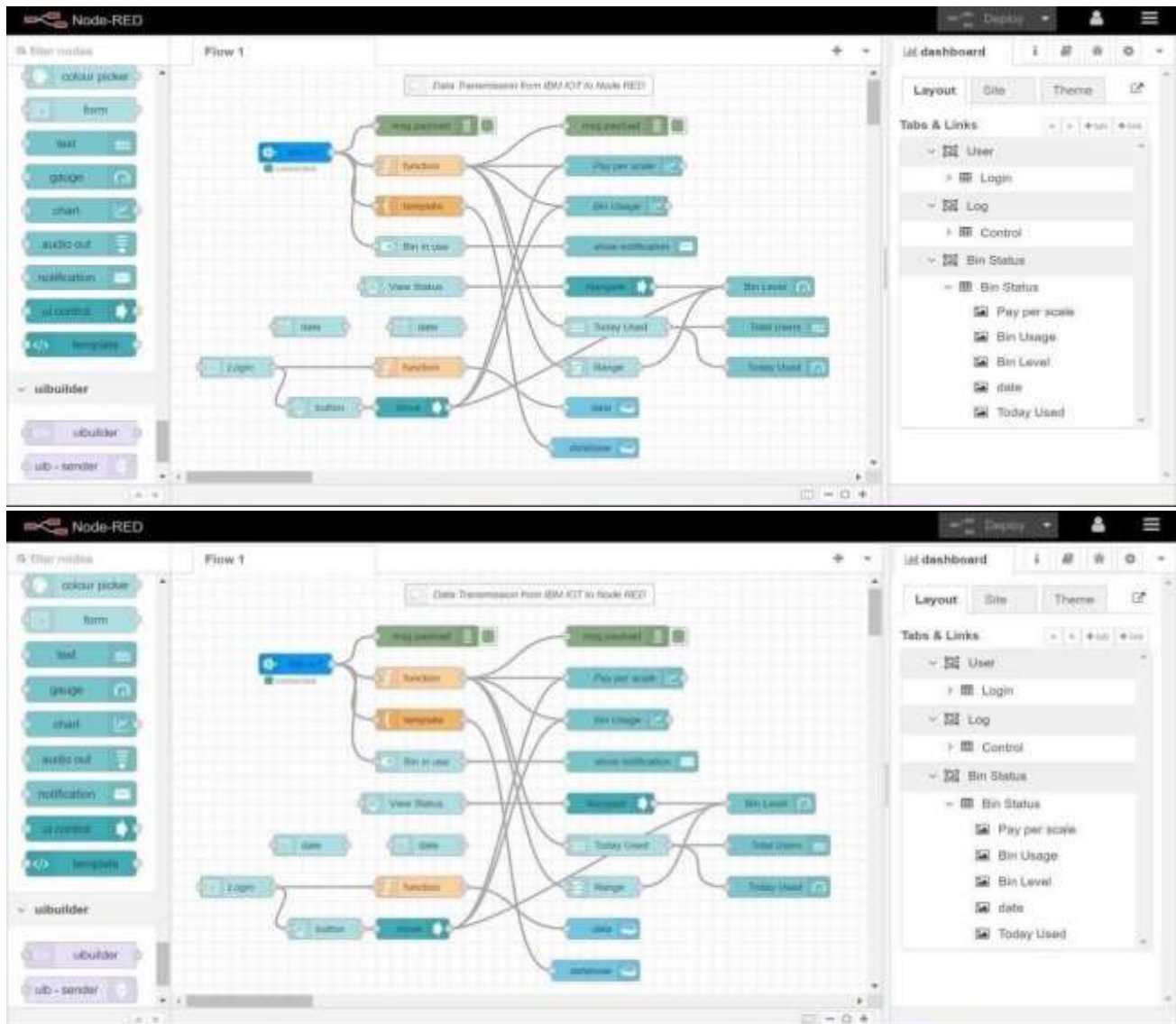


Node Red Connection to IBM Cloudant

Date	14 November 2022
Team ID	PNT2022TMID17711
Project Name	Smart Waste Management for Metropolitan Cities

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



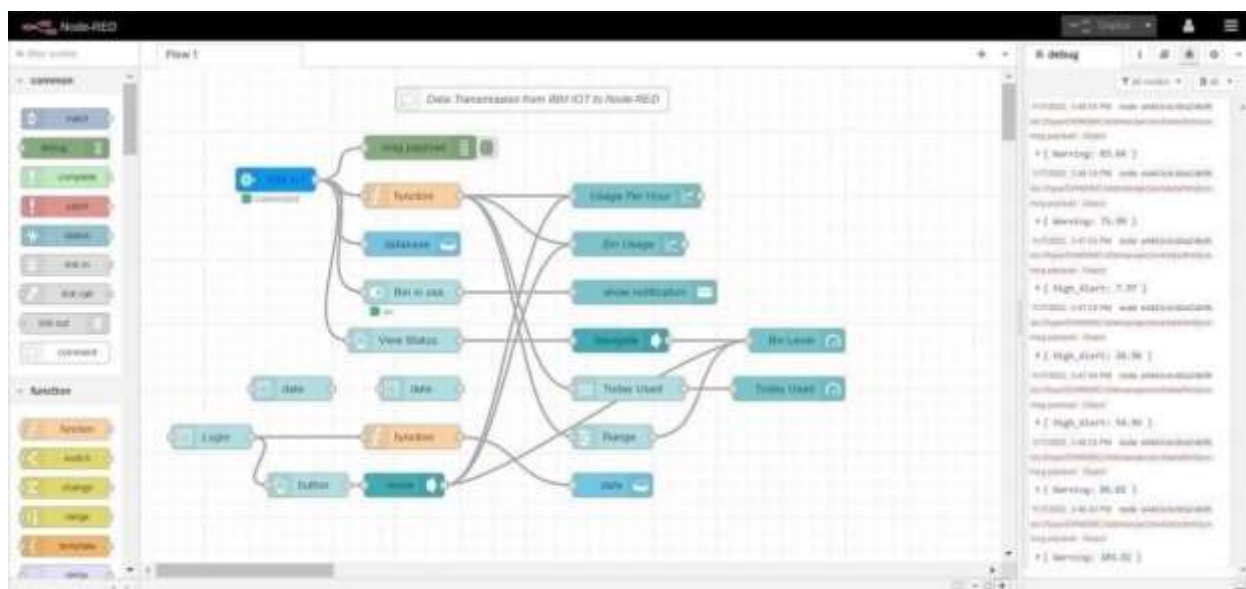
1. Simulate Wokwi connection to transmit data from wokwi account to IBM Watson IOT platform and then to Node Red dashboard



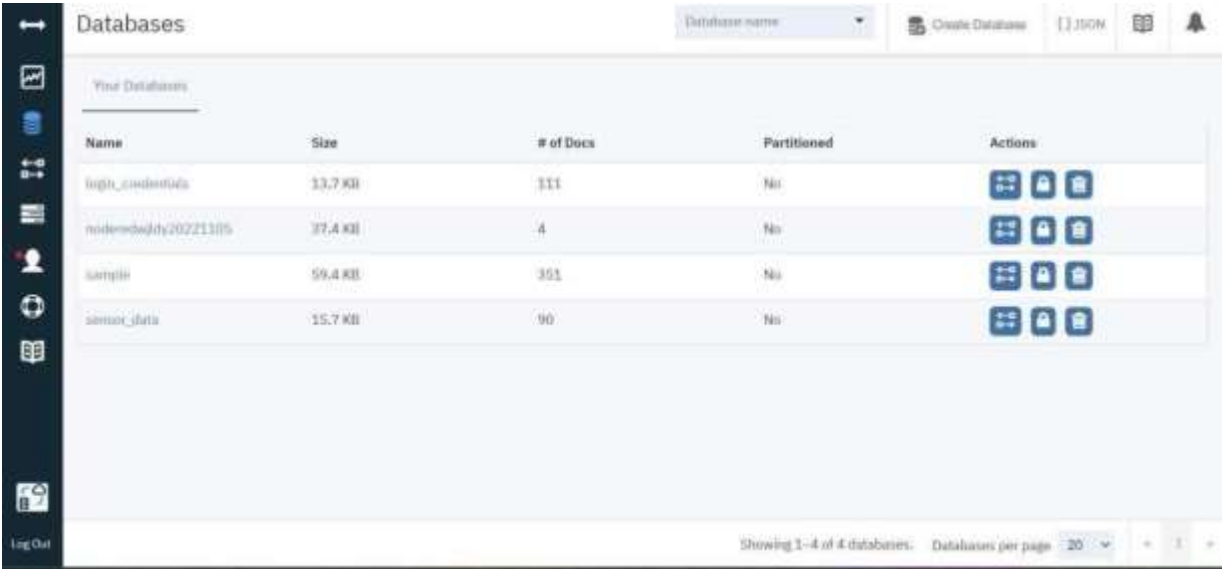
1. Data transfer to Watson IOT platform.

Browse Action Device Types Interfaces			
Add 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

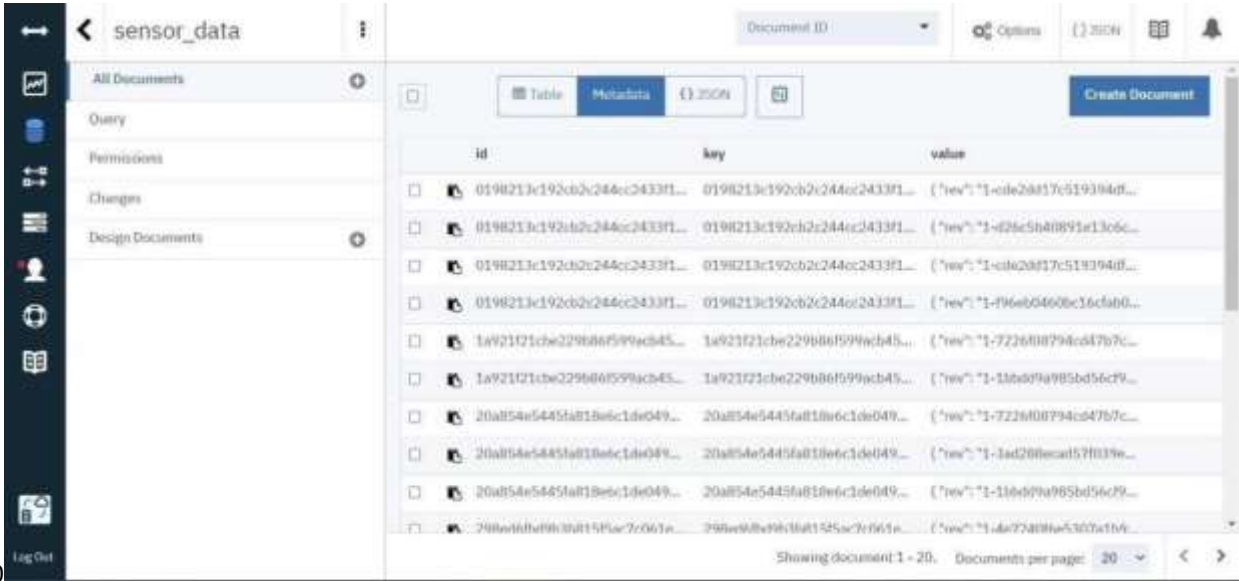
2. Data transfer from IBM Watson IOT platform and wokwi to Node red.



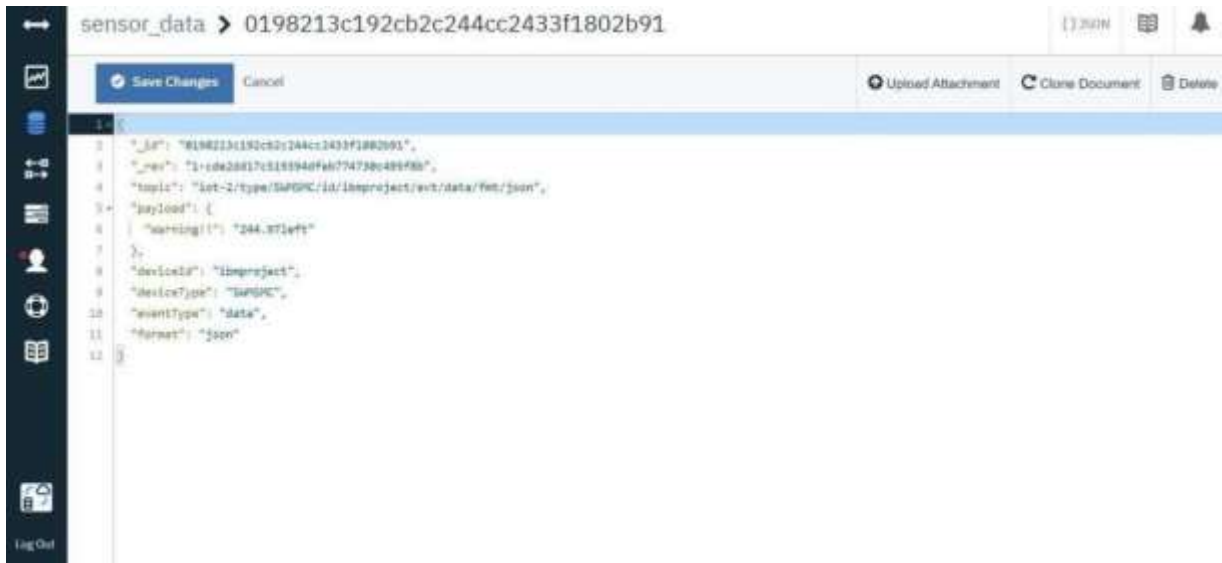
3. Storing database in IBM cloudant DB.



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4. Data is stored in JSON format



The screenshot shows a web application interface for managing documents. At the top, there's a header bar with a breadcrumb "sensor_data > 0198213c192cb2c244cc2433f1802b91" and icons for "JSON", a list view, and a notification bell. Below the header is a toolbar with "Save Changes" (with a checkmark icon), "Cancel", "Upload Attachment", "Close Document", and "Delete". The main area is a text editor displaying a JSON document. The document is a single object with the following fields: "_id" (a long alphanumeric string), "_rev" (another alphanumeric string), "topic" (a path-like string), "payload" (an object with a "warning" field), "deviceId" ("ibmpoject"), "deviceType" ("ibmpmc"), "eventType" ("data"), and "format" ("json"). The text editor has line numbers on the left side, ranging from 1 to 12. A dark sidebar on the left contains various icons for navigation and editing.

```
1 {
2   "_id": "0198213c192cb2c244cc2433f1802b91",
3   "_rev": "1-cde2d817c11594d9eb77473bc489f8a",
4   "topic": "set-2/type/ibmpmc/id/ibmpoject/evt/data/feb/json",
5   "payload": {
6     "warning()": "244.37left"
7   },
8   "deviceId": "ibmpoject",
9   "deviceType": "ibmpmc",
10  "eventType": "data",
11  "format": "json"
12 }
```

