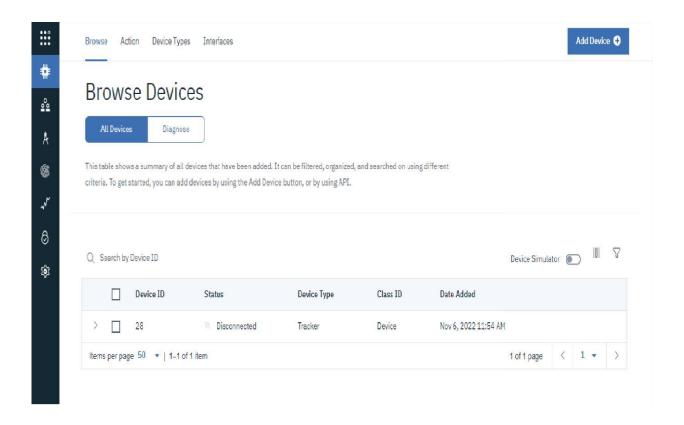
Sprint-2

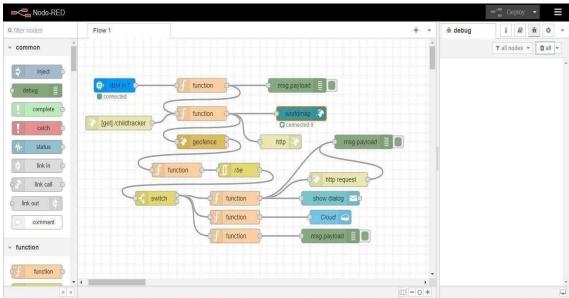
Date	08 November 2022
Team ID	PNT2022TMID04739
Project Name	Project - IoT based safety gadget for Child Safety Monitoring and Notification
TEAM LEADER	VIMAL NISHANTHAN T
TEAM MEMBERS	SRINATH A VISHNU PRASATH S SURYA PRAKASH S SUJITH S

USN-4: Integrating the IBM Watson IoT Platform and Cloudant DB with the node red.

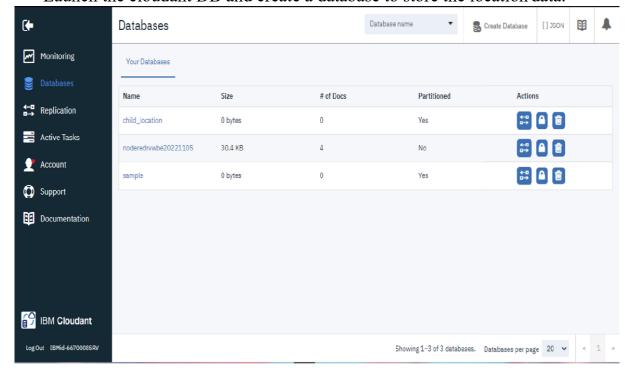
• Launching IBM IoT Watson



- Implementing the node-red in IBM cloud.
- Designing the node-red work flow for our project.



• Launch the cloudant DB and create a database to store the location data.



• For our project we are creating a database called child location.



USN - 5: Developing the Python code for connecting with IBMWatson IoT platform.

```
import time
       import wiotp.sdk.application
       print ("Hello")
    myConfig = {
            "identity" : {
    "orgId" : "fjde2i",
    "typeId": "Tracker",
                "deviceId":"28",
           1.
           "auth": {
10
11
12
                "token": "123456789"
13
14
15
16
      client = wiotp.sdk.device.DeviceClient(config = myConfig, logHandlers = None)
      client.connect()
17
    while True:
18
           name = "Child"
           #in area location
20
21
           latitude = 17.4219272
22
           longitude = 78.5488783
23
24
25
26
           #out area location
28
            #latitude = 17.4219272
29
            #longitude = 78.5488783
           myData = {'name':name, 'lat':latitude, 'lon': longitude}
client.publishEvent(eventId = "status", msgFormat = "json", data = myData, qos = 0, onPublish =None)
30
31
            print("Data published to IBM IoT Platform: ", myData)
32
33
            time.sleep(5)
34
35
       client.disconnect()
```

Connected successfully with IBM IoT Watson.

```
Run: c:\users\dell\AppData\Local\Programs\Python\Python311\python.exe C:\Users\dell\AppData\Local\Programs\Python\child.py

Lota published to IBM IoT Platform: {'name': 'Child', 'lat': 17.4219272, 'lon': 78.5488783}

2022-11-08 20:56:53,786 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:fjde2i:Tracker:28

Data published to IBM IoT Platform: {'name': 'Child', 'lat': 17.4219272, 'lon': 78.5488783}

Data published to IBM IoT Platform: {'name': 'Child', 'lat': 17.4219272, 'lon': 78.5488783}

Data published to IBM IoT Platform: {'name': 'Child', 'lat': 17.4219272, 'lon': 78.5488783}

Data published to IBM IoT Platform: {'name': 'Child', 'lat': 17.4219272, 'lon': 78.5488783}
```

• IBM IoT Watson platform receiving the details of the child's location.

