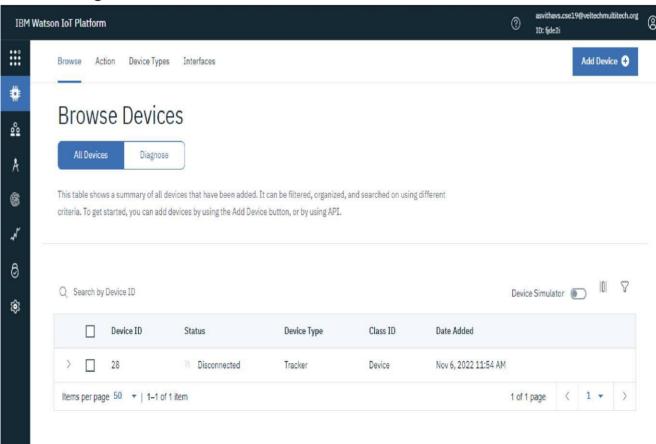
SPRINT – 2

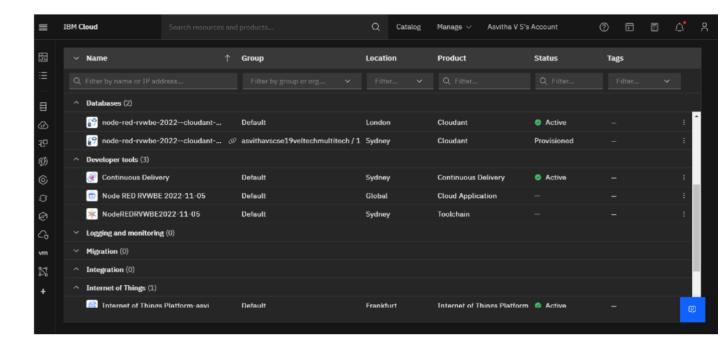
Date	10- Nov-2022
Team ID	PNT2022TMID017187
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	8 Marks

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

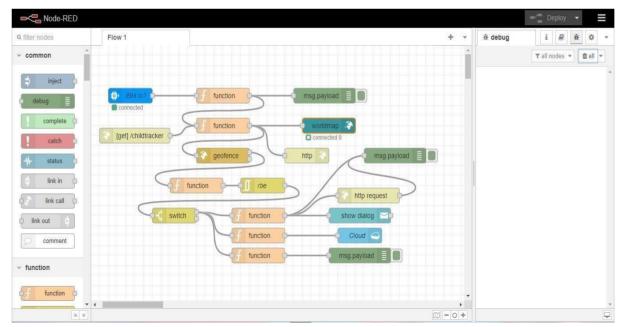
Launching IBM IoT Watson



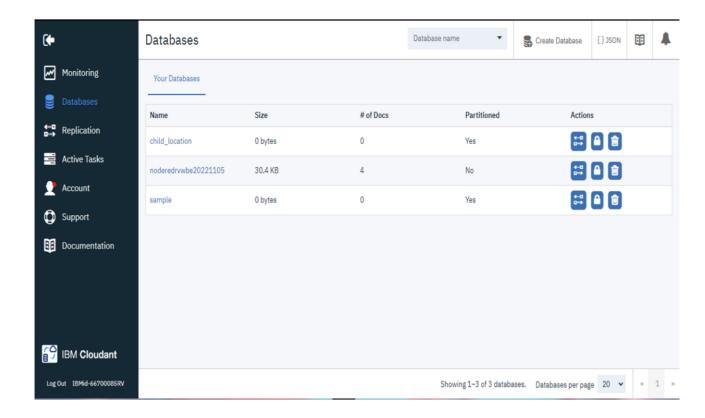
• Implementing the node-red in IBM cloud.



• 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_loaction.



USN – 5: Developing the Python code for connecting with IBM Watson IoT platform.

```
import time
      import wiotp.sdk.application
      print("Hello")
   myConfig = {
          "identity" : {
            "orgId": "fjde2i", "typeId": "Tracker",
             "deviceId": "28".
10 日
        "auth": {
             "token": "123456789"
12
13
     client = wiotp.sdk.device.DeviceClient(config = myConfig, logHandlers = None)
14
     client.connect()
17 | while True:
        name = "Child"
18
         #in area location
19
        latitude = 17.4219272
21
         longitude = 78.5488783
23
24
25
         #out area location
26
27
28
         #latitude = 17.4219272
29
        #longitude = 78.5488783
30
         myData = {'name':name, 'lat':latitude, 'lon': longitude}
         client.publishEvent(eventId = "status", msgFormat = "json", data = myData, qos = 0, onPublish =None)
31
         print("Data published to IBM IoT Platform: ", myData)
        time.sleep(5)
     client.disconnect()
```

Connected successfully with IBM IoT Watson.

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

Data 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.

