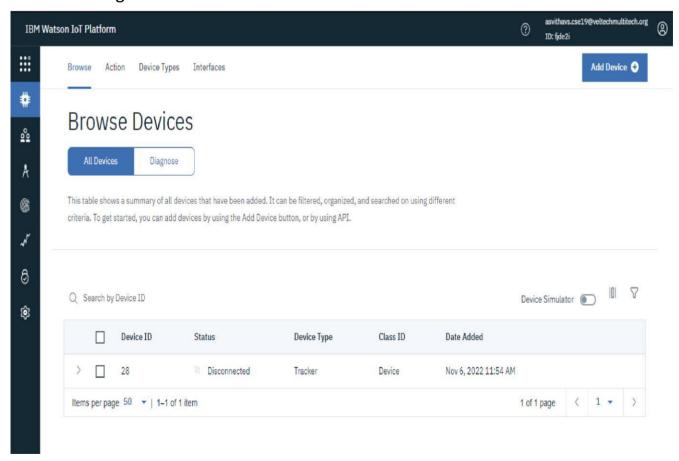
Sprint – 2

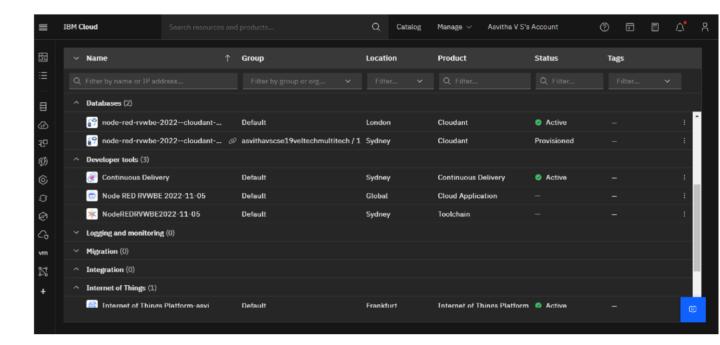
Date	10- Nov-2022
Team ID	PNT2022TMID017213
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	8 Marks

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

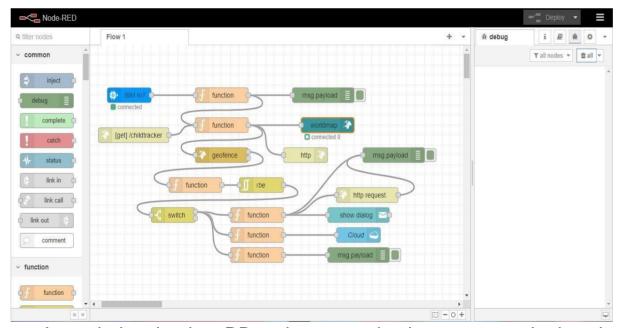
Launching IBM IoT Watson



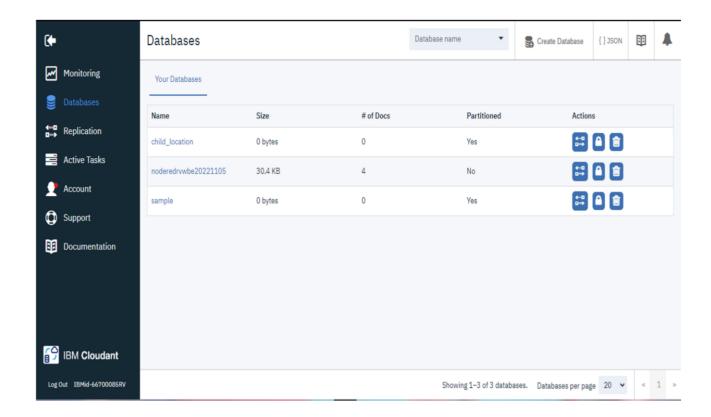
Implementing the node-red in IBM cloud.



• 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
          "identity" : {
             "orgId": "fjde2i",
"typeId": "Tracker",
             "deviceId":"28",
        },
         "auth": {
          "token": "123456789"
13
     client = wiotp.sdk.device.DeviceClient(config = myConfig, logHandlers = None)
14
15
     client.connect()
16
17  while True:
         name = "Child"
18
19
         #in area location
20
21
        latitude = 17.4219272
         longitude = 78.5488783
23
26
        #out area location
28
         #latitude = 17.4219272
29
         #longitude = 78.5488783
30
         myData = {'name':name, 'lat':latitude, 'lon': longitude}
31
         client.publishEvent(eventId = "status", msgFormat = "json", data = myData, qos = 0, onPublish =None)
32
         print("Data published to IBM IoT Platform: ", myData)
33
         time.sleep(5)
35 client.disconnect()
```

Connected successfully with IBM IoT Watson.

```
Run: child ×

C:\Users\dell\AppData\Local\Programs\Python\Python311\python.exe C:\Users\dell\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.

