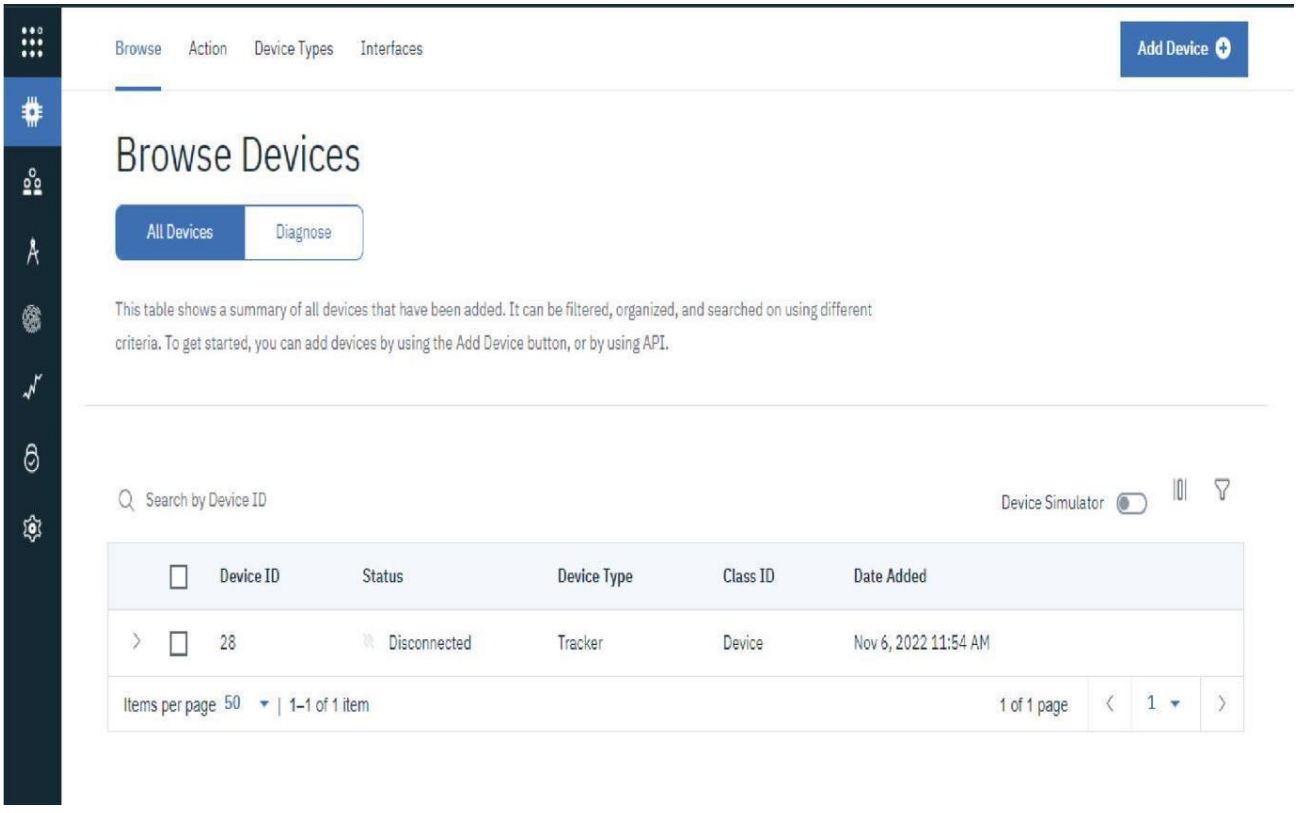
SPRINT – 2

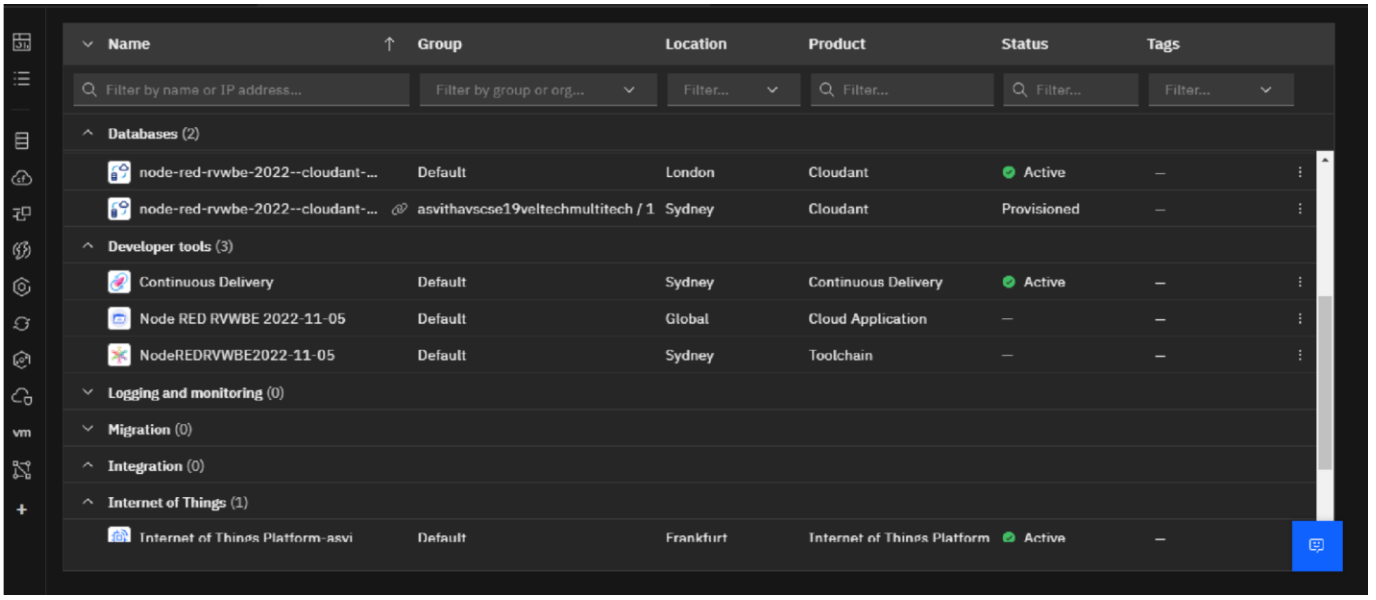
Date	**10- Nov-2022**
Team ID	**PNT2022TMID11105**
Project Name	**Project - IoT Based Safety Gadget for Child Safety Monitoring & Notification**
Maximum Marks	**8 Marks**

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

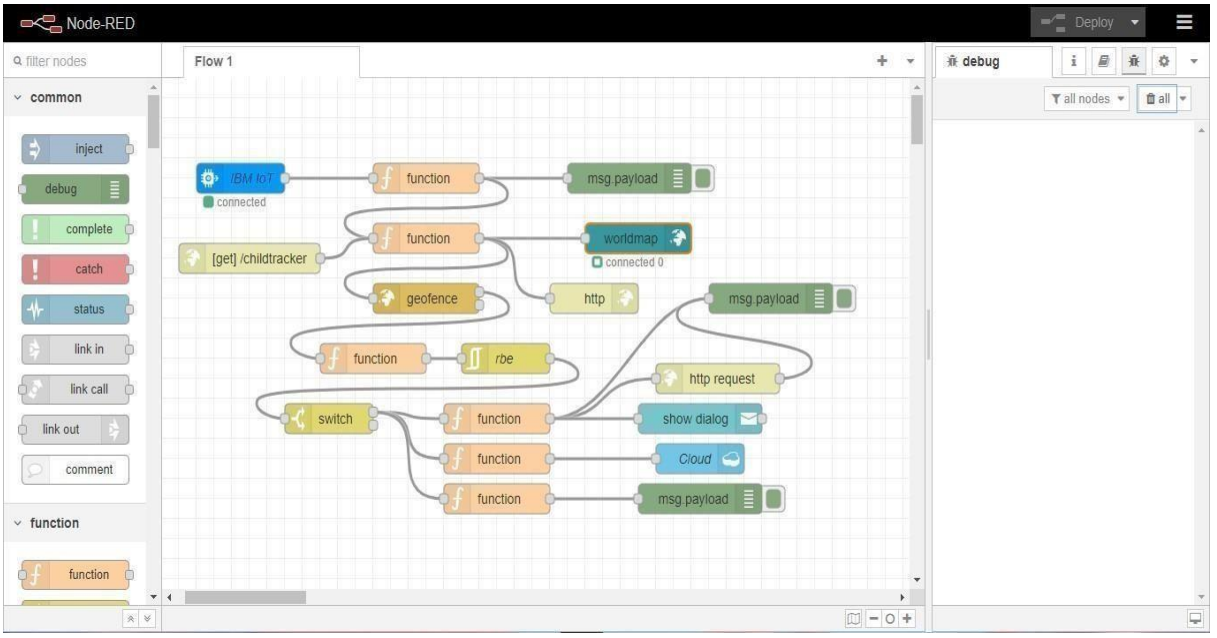
- Launching IBM IoT Watson



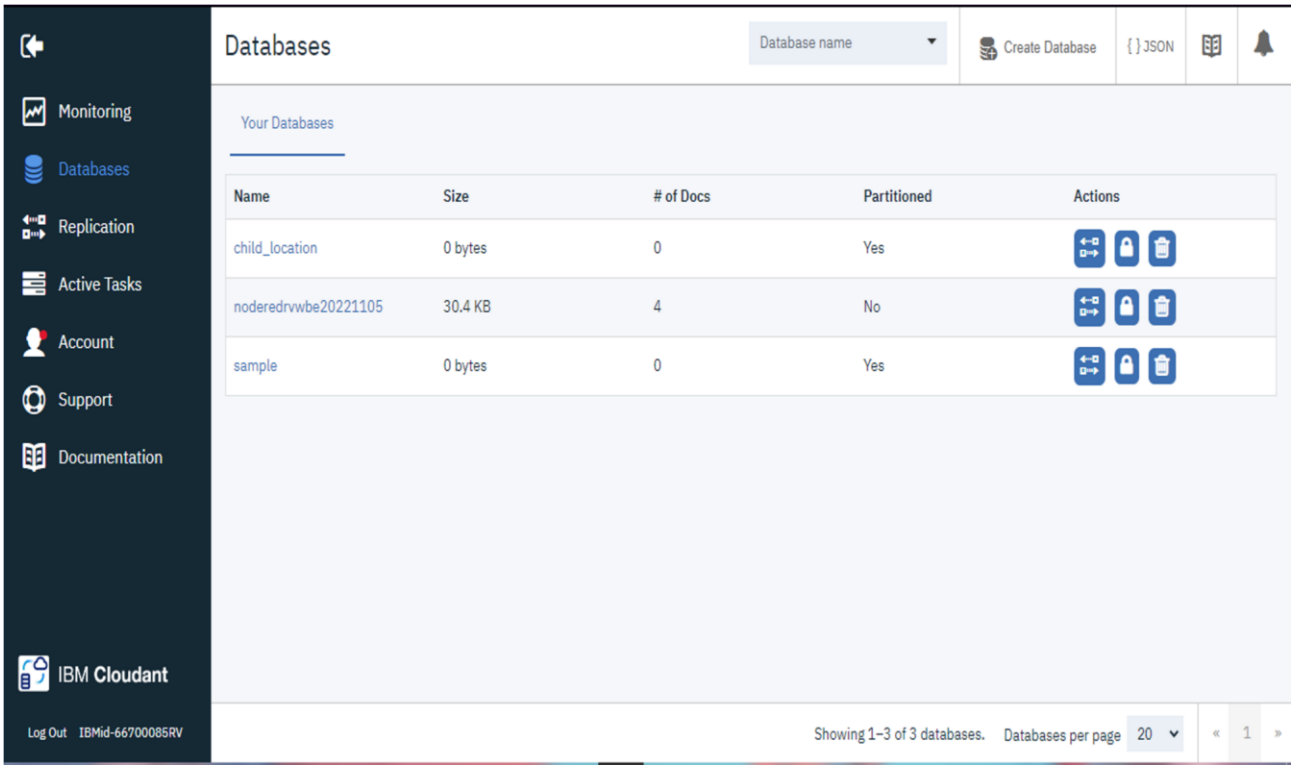
- Implementing the node-red in IBM cloud.



- Designing the node-red work flow for our project.



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



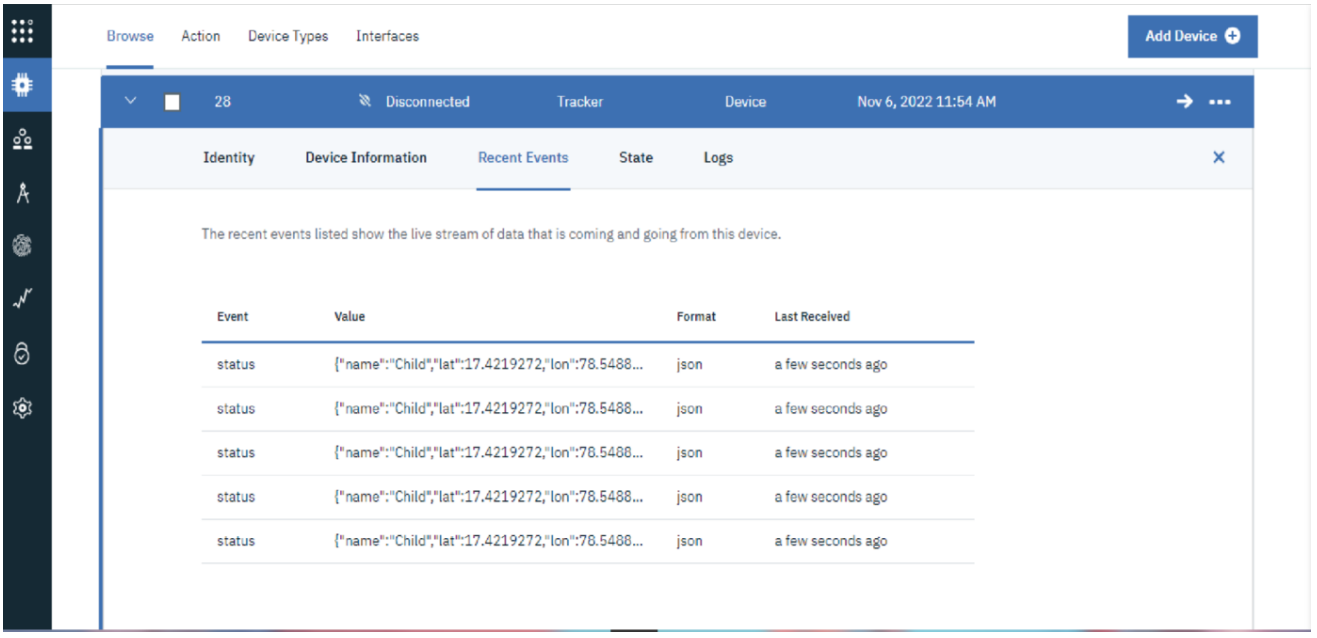
- For our project we are creating a database called child_loaction.

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

```python
import time
import wiotp.sdk.application
print("Hello")
myConfig = {
    "identity" : {
        "orgId" : "fjde2i",
        "typeId": "Tracker",
        "deviceId":"28",
    },
    "auth": {
        "token": "123456789"
    }
}
client = wiotp.sdk.device.DeviceClient(config = myConfig, logHandlers = None)
client.connect()

while True:
    name = "Child"
    #in area location

    latitude = 17.4219272
    longitude = 78.5488783



    #out area location

    #latitude = 17.4219272
    #longitude = 78.5488783
    myData = {'name':name, 'lat':latitude, 'lon': longitude}
    client.publishEvent(eventId = "status", msgFormat = "json", data = myData, qos = 0, onPublish =None)
    print("Data published to IBM IoT Platform: ", myData)
    time.sleep(5)

client.disconnect()
```

- Connected successfully with IBM IoT Watson.

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


Browse
Action
Device Types
Interfaces
Add Device
28
Disconnected
Tracker
Device
Nov 6, 2022 11:54 AM
Identity
Device Information
Recent Events
State
Logs
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received
status
{"name":"Child","lat":17.4219272,"lon":78.5488...
json
a few seconds ago
status
{"name":"Child","lat":17.4219272,"lon":78.5488...
json
a few seconds ago
status
{"name":"Child","lat":17.4219272,"lon":78.5488...
json
a few seconds ago
status
{"name":"Child","lat":17.4219272,"lon":78.5488...
json
a few seconds ago
status
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json
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