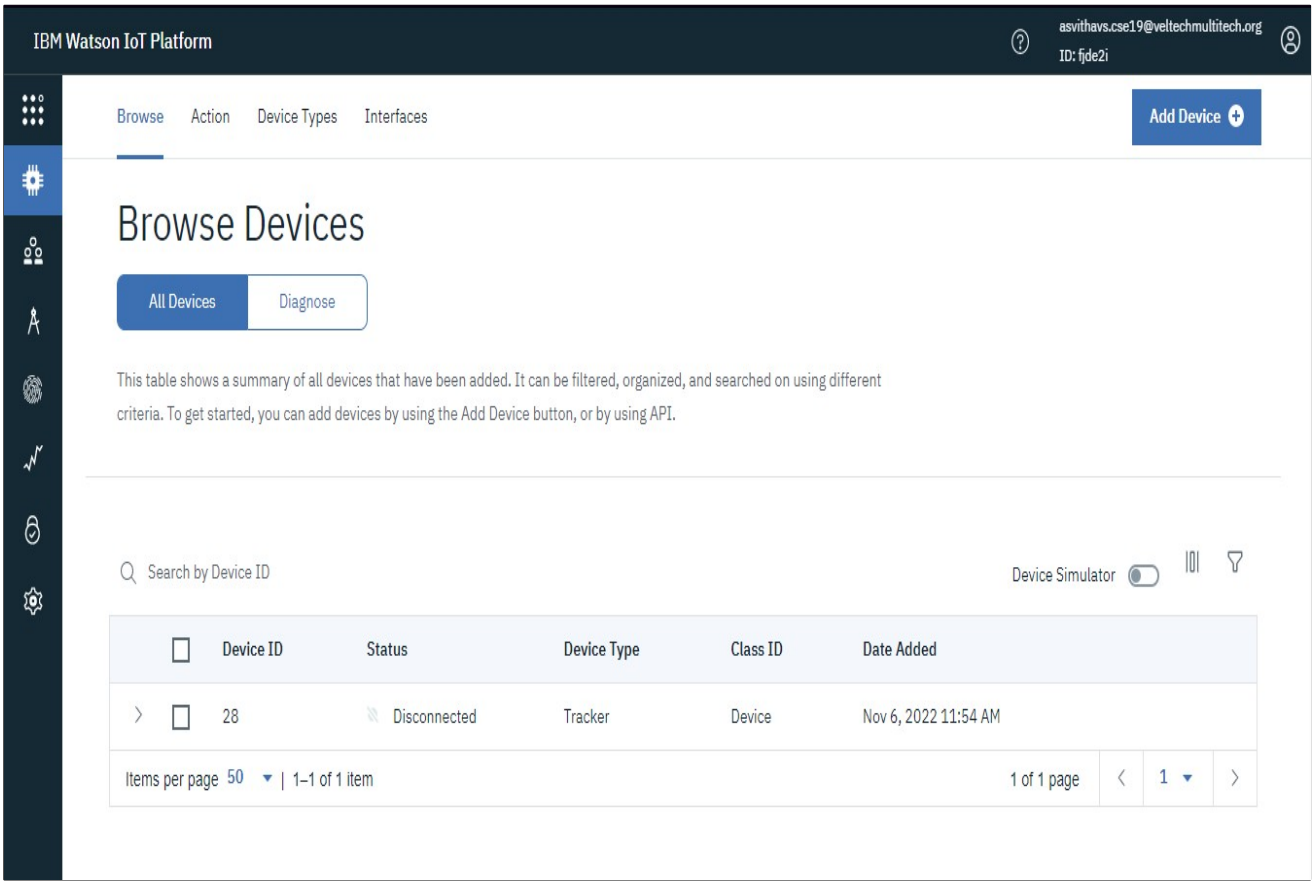
Project Development Phase Sprint – 2

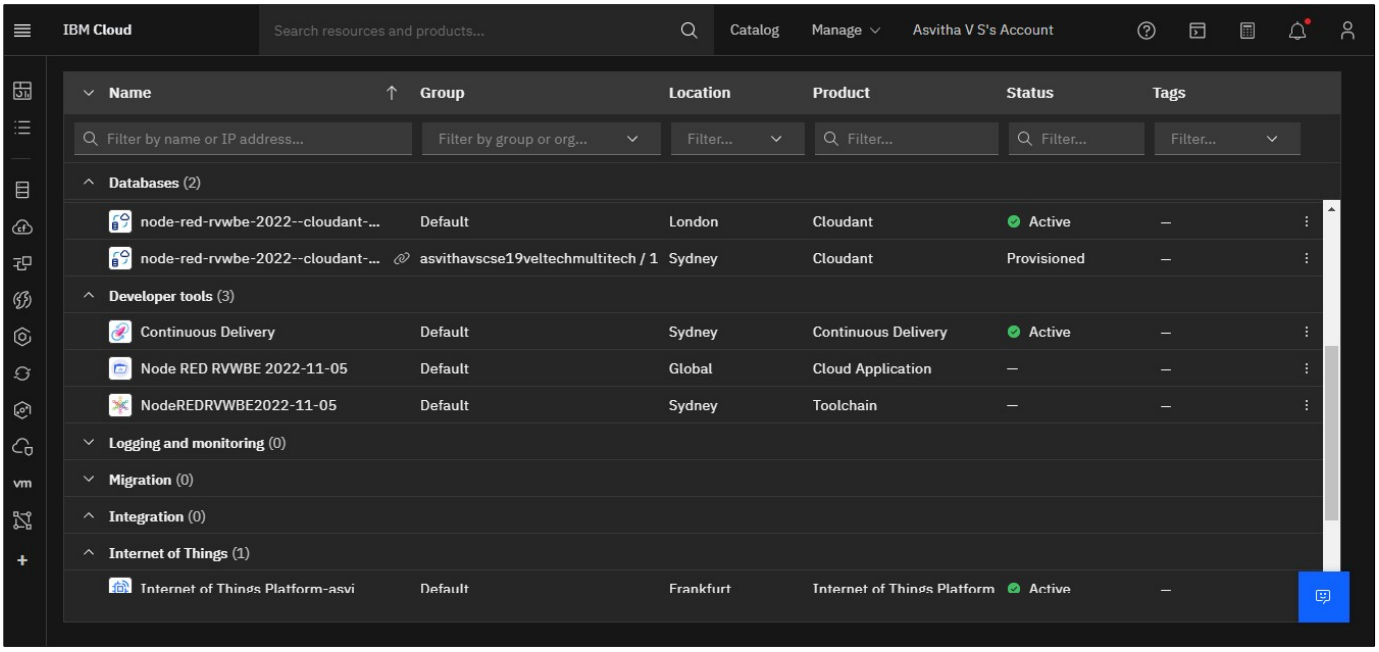
Date	8 Nov 2022
Team ID	PNT2022TMID08341
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	8 Marks

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

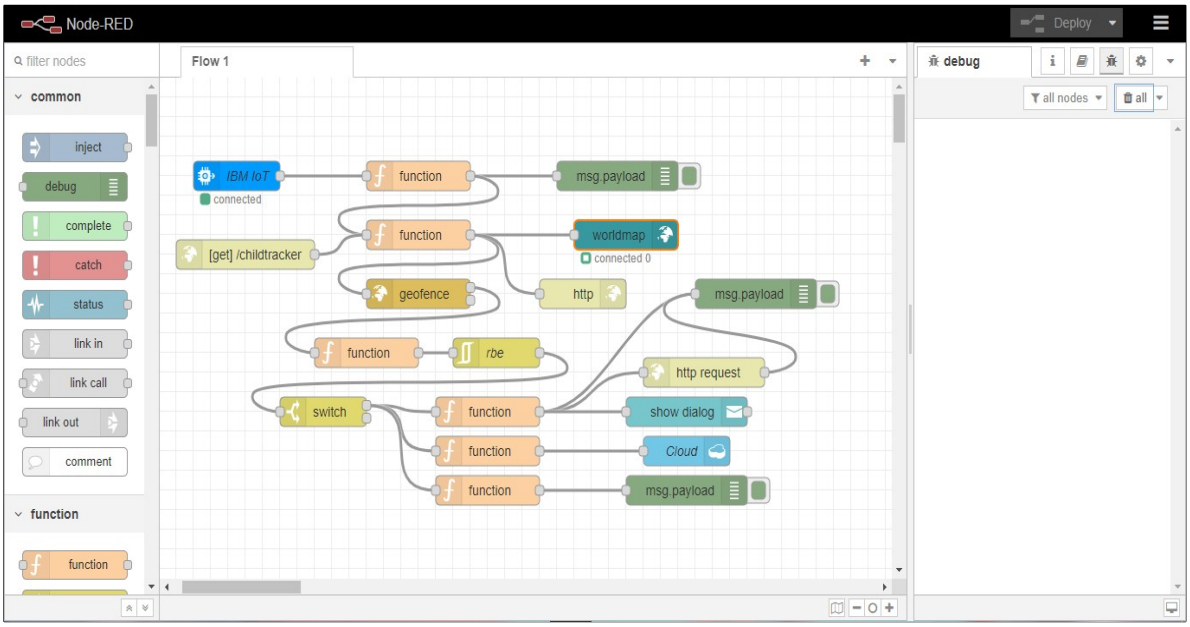
- Launching IBM IoT Watson



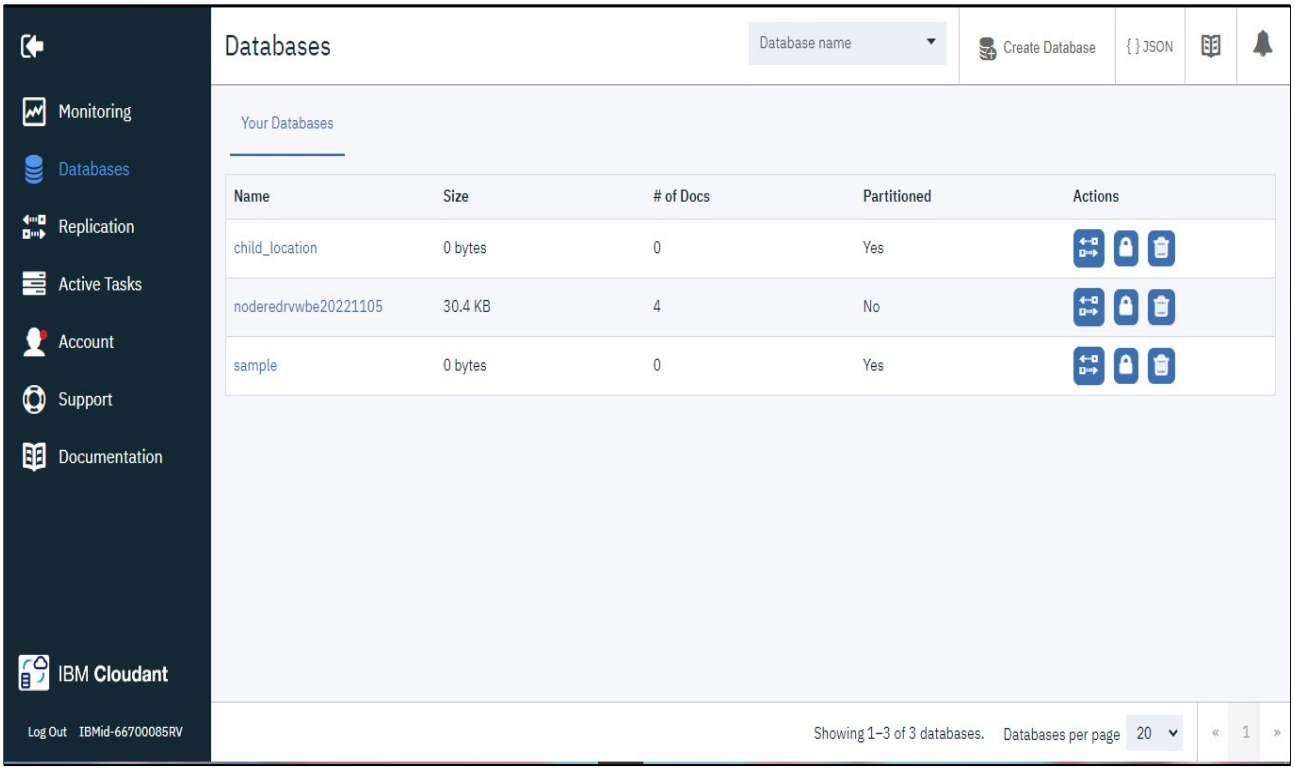
- Implementing the node-red in IBM cloud.



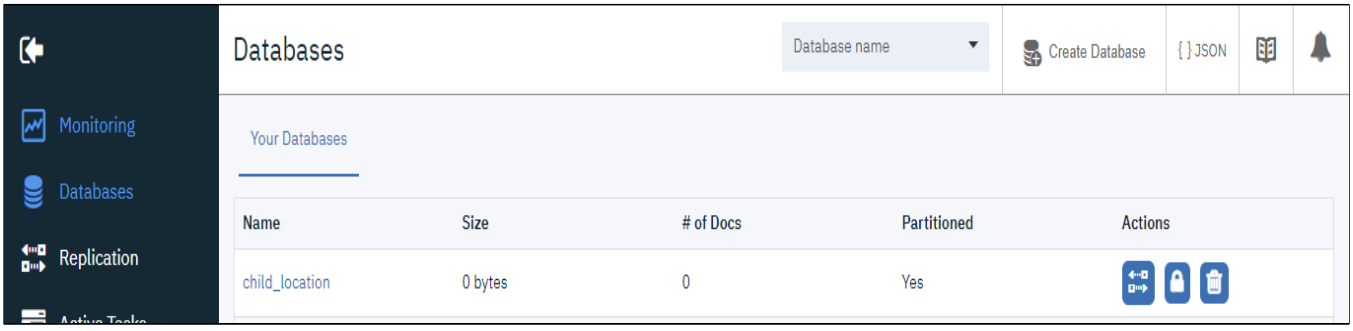
- Designing the node-red work flow for our project.



- 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.

```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.