ProjectDevelopment-DeliveryOfSprint-3
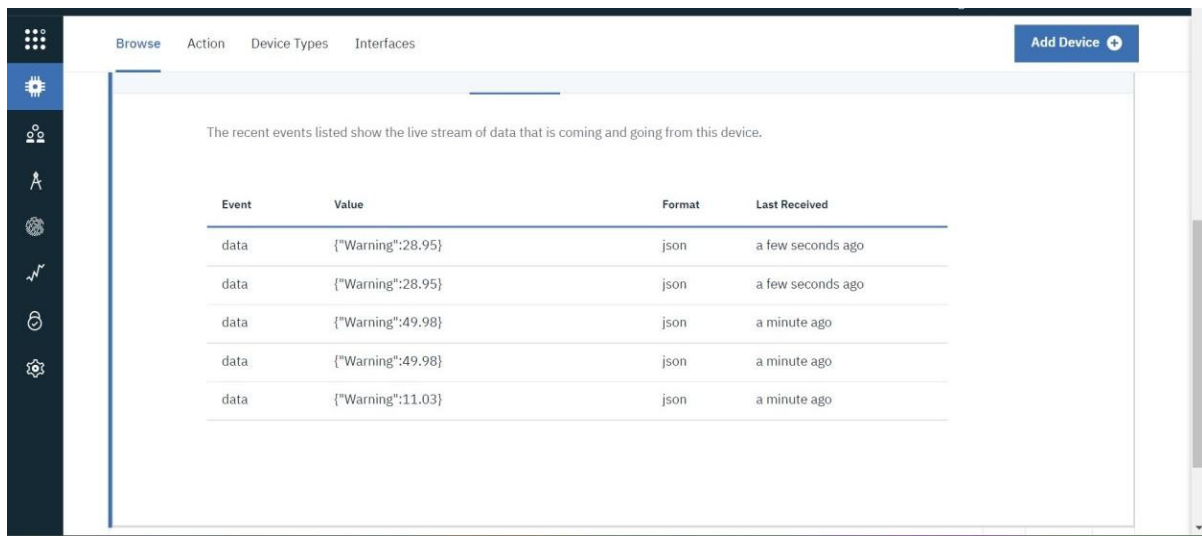
Date	14-11-2022
TeamID	PNT2022TMID19077
ProjectName	Project-IoT Based Safety Gadget ForChildSafetyMonitoring& Notification
MaximumMarks	

IoTDevice–Watsoncommunication

ThedatafromIoTdevice shouldreachIBMCloud

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
data	{"Warning":28.95}	json	a few seconds ago
data	{"Warning":28.95}	json	a few seconds ago
data	{"Warning":49.98}	json	a minute ago
data	{"Warning":49.98}	json	a minute ago
data	{"Warning":11.03}	json	a minute ago

NODERED-CLOUDANTDBCOMMUNICATION:

```python
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity": {
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

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

    #latitude= 17.4225176
    #longitude= 78.5458842

    #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, onPub
    print("Data published to IBM IoT platfrom: ",myData)
    time.sleep(5)

client.disconnect()
```

IPython console — Console 2/A

```
Data published to IBM IoT platfrom:
Data published to IBM IoT platfrom:
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```

Databases

Database name ▾   Create Database   { } JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	
noderedwjldy20221105	37.4 KB	4	No	
sample	59.4 KB	351	No	
sensor_data	15.7 KB	90	No	

Showing 1–4 of 4 databases.   Databases per page 20 ▾   « 1 »

Log Out

RESULT:The data stored in IBM Cloud should beproperlyintegratedwithCloudantDB