

SPRINT 2

Date	18 October 2022
Team ID	PNT2022TMID15063
Project Name	Gas Leakage Monitoring And Alerting system for industries

SENDING DATA TO IBM WATSON PLATFORM:



```
test.py - C:\Users\MANUSA K R\Downloads\test.py (3.7.0)
File Edit Format Run Options Window Help

import wiotp.sdk.device
import time
import ibmiotf.application
import ibmiotf.device
import requests, json

myConfig = {
    "identity": {
        "orgId": "11055712",
        "typeId": "76804089",
        "device": "Manusa"
    },
    "auth": {
        "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1b290eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1b290eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9"
    }
}

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    name= "Manusa"
    latitude= 11.055712
    longitude= 76.804089
    gas = random.randint(0,600)
    temperature=random.randint(20,40)
    humidity=random.randint(40,60)
    if(gas>300):
        alarm=1
    else:
        alarm=0

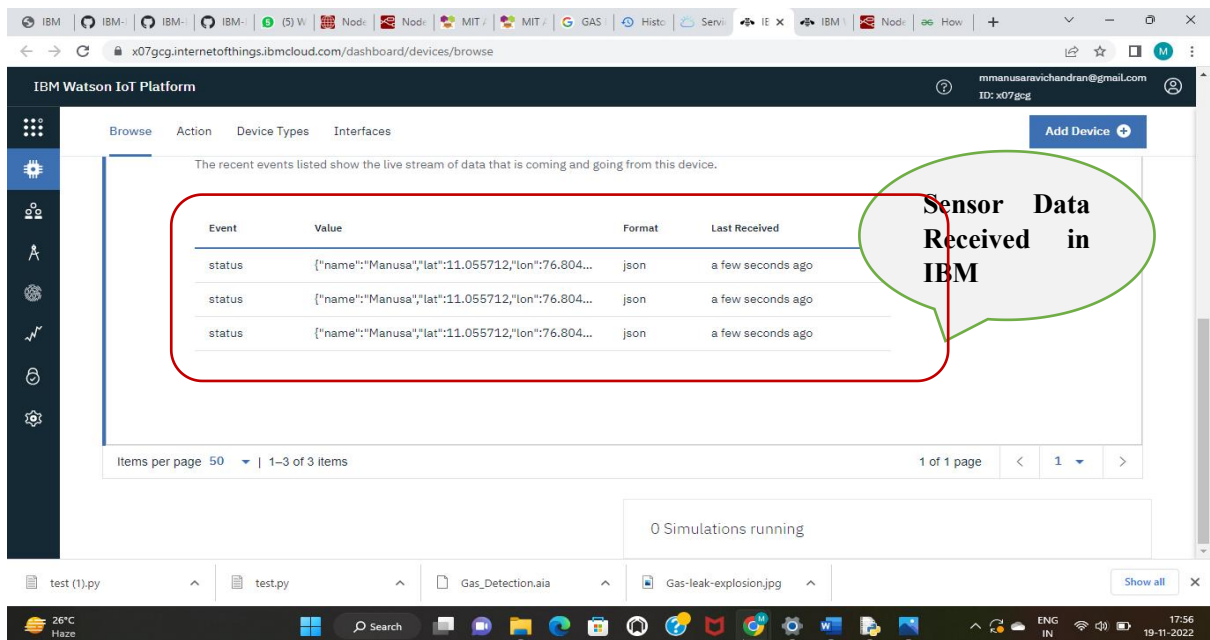
    mydata={"name": name, 'lat':latitude, 'lon':longitude, 'gas':gas, 'alarm':alarm, 'temp':temperature, 'hum':humidity}
    client.publishEvent(eventId="status", msgFormat="json", data=mydata, qos=0, onPublish=None)
    print("Data published to IBM IoT platform: ",mydata)
    time.sleep(10)

client.disconnect()
```

The IBM cloud details included in code

File Tree: name= "Manusa"

PUBLISHING SENSOR DATA & RECEIVING IN IBM CLOUD



IBM Watson IoT Platform

Browse Action Device Types Interfaces

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":"Manusa","lat":11.055712,"lon":76.804...	json	a few seconds ago
status	{"name":"Manusa","lat":11.055712,"lon":76.804...	json	a few seconds ago
status	{"name":"Manusa","lat":11.055712,"lon":76.804...	json	a few seconds ago

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0 Simulations running

Sensor Data Received in IBM