

GAS LEAKAGE MONITORING AND ALERTING SYSTEM

DEVELOP THE PYTHON CODE

Date	06 November 2022
Team ID	PNT2022TMID42672
Project Name	Gas Leakage Monitoring and Alerting System for Industries

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#IBM Watson IoT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgid": "xz5tn5",
        "typeId": "iot_device",
        "deviceId": "1234"
    },
    "auth": {
        "token": "123456789"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']

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

while True:
    temp=random.randint(-20,125)
    hum=random.randint(0,100)
    Gas=random.randint(0,500)
    myData={'temperature':temp, 'humidity':hum, 'Gasflow':Gas}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s" % myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

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