

Gas Leakage monitoring & Alerting system for Industries

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Project Name	Gas Leakage Monitoring And Alerting System For Industries

Python code:

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random

myConfig = {
    "identity": {
        "orgId": "4o5bpf",
        "typeId": "TestDeviceType",
        "deviceId": "28122001"
    },
    "auth": {
        "token": "rlerLKxv&K2!a0FFQC"
    }
}

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:
        gas=random.randint(0,100)
        temp=random.randint(0,100)
        hum=random.randint(0,100)
        pre=random.randint(0,100)
        myData={'Hazardous Gas':gas,
                'Temperature':temp,
                'Humidity':hum,
                'Pressure':pre }
        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()
```