

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
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Python Code:

```
import wiotp.sdk.device

import time
import random

myConfig = {

    "identity": {

        "orgId": "u0b4fr ",

        "typeId": "TestDriveDevice",

        "deviceId": "TestDriveDevice_1"

    },

    "auth": {

        "token": "8300113450"

    }

}

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)

myData={'Hazardous Gas':gas, 'Temperature':temp, 'Humidity':hum}

client.publishEvent(eventId="status", msgFormat="json", data=myData,qos=0, onPublish=None)

print("Published data Successfully: %s", myData)

client.commandCallback = myCommandCallbacktime.sleep(2)

client.disconnect()
```