

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

Source Code:

```
#IBM Watson IOT Platform

#pip install wiotp-sdk

import wiotp.sdk.device import time
import random

myConfig = {
    "identity": {
        "orgId": "jpQsay ",
        "typeId": "Rishi ",
        "deviceId": "12345"
    },
    "auth": {
        "token": "BTQXLKA@j&9Mypx3lz "
    }
}

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()
```