PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	Gas leakage monitoring and alerting system for industries

```python
#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)
```

```python
    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()
```