PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	Gas Leakage monitoring & 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()
```