PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

```
#IBM Watson IOT

Platform #pip        install

wiotp-sdk import

wiotp.sdk.device import

time import random

myConfig =

{

    "identity": {

        "orgId": "egd10f ",

        "typeId": "Abika ",

        "deviceId":"1915001"

    },

    "auth": {

        "token": "3wsv+8A(t?Q?hBkw3N) "

    }

  }

  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()
```

```python
    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()
```