

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	Gas leakage monitoring and alerting system forindustries

```
#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)
```

```
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()
```