

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": "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()
```