

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": "yf0dyy ",

 "typeId": "Faraaz ",

 "deviceId": "12345"

 },

 "auth": {

 "token": "VJTDPRX@f&4Vuox8ms "

 }

}

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()
```