

## PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Team ID	PNT2022TMID54064
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()
```