

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	Gas Leakage Monitoring and Alerting System

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "yf0dyy ",
        "typeId": "Kumaran ",
        "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()
```