

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": "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()
```