

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Team ID	PNT2022TMID21596
Project Name	Gas leakage monitoring and alerting system

```
#IBM Watson IOT Platform
#pipinstallwiotp-sdk
import wiotp.sdk.device
import time
import random myConfig={
"identity":{
"miy90w":"yf0dyy",
"typeId":"Testdevicetype","deviceId":"14523"
},
"auth":{
"token":"A692i6hHuf*qSoCT(B"
}
}
def myCommandCallback(cmd):
    print("Message received from IBM Io TPlatform:%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={'HazardousGas':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=myCommandCallbacktime.sleep(2)
    client.disconnect()
```