

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": "swcn72",
        "typeId": "esp32_controller",
        "deviceId": "1931000"
    },
    "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()
```

