

## PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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<b>Team ID</b>	PNT2022TMID12258
<b>Project Name</b>	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
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#IBM Watson IOT Platform

#pip install wiotp-sdk

import wiotp.sdk.device

import time

import random

myConfig = {

    "identity": {

        "orgId": "yf0dyy ",

        "typeld": "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)

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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()
```