

## PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

**Team ID:** PNT2022TMID11664

**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": "s3qdw6",

        "typeId": "CloudProject",

        "deviceId": "164163"

    },

    "auth": {

        "token": "0903202008052002"

    }

}

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()
```