

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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| Date | 14 NOVEMBER 2022 |
| Team ID | PNT2022TMID16859 |
| Project Name | GAS LEAKAGE MONITORING AND ALERTING SYSTEM |
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#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)

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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()
```