

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Team ID	PNT2022TMID12081
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": "4o5bpf",

"typeId": "TestDeviceType",

"deviceId": "28122001"

},

"auth": {

"token": "rlerLKxv&K2!a0FFQC"

}

}

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()
```