

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

Date	15 NOVEMBER 2022
Team ID	PNT2022TMID39386
Project Name	HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANT BY IOT

#IBM Watson IOT

Platform #pip install

wiotp-sdk import

wiotp.sdk.device

import timeimport

random myConfig

= {

"identity

": {

"orgId": "v2g696",

"typeId":

"sairaj",

"deviceId": "123

45"

},

"auth": {

"token": "123456789 "

}

}

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(0,1
    00)
    hum=random.randint(0,10
    0)
    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()

```