

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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| Date | 31 October 2022 |
| Team ID | PNT2022TMID40560 |
| 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": "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)

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()