PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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| Team ID | PNT2022TMID18986 |
| 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)

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()