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| **PYTHON CODE TO PUBLISH DATA TO IBM CLOUD**       |  |  | | --- | --- | | **Date** | 3 NOVEMBER 2022 | | **Team ID** | PNT2022TMID17245 | | **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) |

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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() |