

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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| 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": "egd10f ",

 "typeId": "Abika ",

 "deviceId": "1915001"

 },

 "auth": {

 "token": "3wsv+8A(t?Q?hBkw3N"

 }

}

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()
```