PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

Date	14 NOVEMBER 2022
Team ID	PNT2022TMID14284
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

```python
#IBM Watson IOT

Platform #pip install

wiotp-sdk import

wiotp.sdk.device import

time import random

myConfig = {

    "identity": {

        "orgId": " 6a4pz2",

        "typeId": "Node_1",

        "deviceId":"12345"

    },

    "auth": {

        "token": "12345678"

    }

}

def myCommandCallback(cmd):
```

```python
    print("Message received from IBM IoT Platform: %s" %
cmd.data['command'])

    m=cmd.data['command']


client =
wiotp.sdk.device.DeviceClient(config=myCo
nfig, logHandlers=None)
client.connect()


while True:
    temp=random.ran dint(-
    20,125)
    hum=random.ran
    dint(0,100)
    myData={'temperature':temp, 'humidity':hum}
    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()
```

Browse   Action   Device Types   Interfaces

Add Device ⊕

Q Search by Device ID   Device Simulator ⬤ ||| ▽

	□	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
∨	■	12345	⬋ Disconnected	Node_1	Device	Nov 6, 2022 12:31 PM	→ •••

Identity   Device Information   Recent Events   State   Logs   ✕

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
status	{"temperature":-11,"humidity":87}	json	a few seconds ago
status	{"temperature":46,"humidity":61}	json	a few seconds ago
status	{"temperature":56,"humidity":30}	json	a few seconds ago
status	{"temperature":-3,"humidity":4}	json	a few seconds ago
status	{"temperature":24,"humidity":3}	json	a few seconds ago