

PYTHON SCRIPT TO PUBLISH DATA TO IBM CLOUD

Date	12 SEPTEMBER 2022
Team ID	PNT2022TMID38196
Project Name	Project -Smart Waste Management System in Metropolitan Cities.
Maximum Marks	8 Marks

PYTHON CODE:

```
import wiotp.sdk.device
import time import json
myConfig = {
    "identity": {
        "orgId": "1086aa",
        "typeId": "scriptpy",
        "deviceId": "12345"
    },
    "auth": {
        "token": "123456789"
    }
}
```

```
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
```

```
while True:
    name="smartbridge"
    latitude=17.4225176    longitude=70.5450042
    myData={'name': 'name', 'lat': latitude, 'lon': longitude}
    client.publishEvent(eventId="status", msgFormat="json",
        data=myData, qos=0, onPublish=None)
```

```
client.disconnect ()
```

```
long.py - C:\Users\nandh\Documents\ibmpython\long.py (3.6.5)
File Edit Format Run Options Window Help

import wiotp.sdk.device
import time
import json
myConfig = {
    "identity": {
        "orgId": "1086aa",
        "typeId": "scriptpty",
        "deviceId": "12345"
    },
    "auth": {
        "token": "123456789"
    }
}

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

while True:
    name="smarchbridge"
    latitude=17.4225176
    longitude=70.5450042
    myData={'name': 'name', 'lat': latitude, 'lon': longitude}
    client.publishEvent(eventId='status', msgFormat='json', data=myData, qos=0, or
print ("Published data to IBM iot platform: %s", myData)
time.sleep(5)

client.disconnect()
```

PUBLISH DATA TO IBM CLOUD OUTPUT

×

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

Event	Value	Format	Last Received
status	{"name":"name","lat":17.4225176,"lon":70.545...	json	a few seconds ago
status	{"name":"name","lat":17.4225176,"lon":70.545...	json	a few seconds ago
status	{"name":"name","lat":17.4225176,"lon":70.545...	json	a few seconds ago
status	{"name":"name","lat":17.4225176,"lon":70.545...	json	a few seconds ago
status	{"name":"name","lat":17.4225176,"lon":70.545...	json	a few seconds ago