

DEVELOP THE PYTHON SCRIPT PUBLISH DATA TO THE IBM CLOUD

PYTHON CODE

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Project Name	Smart Waste Management System for MetropolitanCities.

#IBMWatsonIoT Platform

```
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}

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:
    temp=random.randint(-20,125)
    hum=random.randint(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()
```