

PUBLISH DATA TO THE IBM CLOUD

TEAMID	PNT2022TMID33826
PROJECT NAME	Smart Waste Management System For Metropolitan Cities

IBM Watson IoT Platform

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Browse Action Device Types Interfaces

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added
123456	Connected	sensor	Device	Nov 13, 2022 9:38 AM

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
IoT Sensor	["temp":76,"Humid":44]	json
IoT Sensor	["temp":84,"Humid":26]	json
IoT Sensor	["temp":34,"Humid":85]	json
IoT Sensor	["temp":91,"Humid":79]	json
IoT Sensor	["temp":21,"Humid":38]	json

Python 3.7.0 Shell

```
File Edit Shell Debug Options Window Help
Published Temperature = 46 C Humidity = 77 % to IBM Wat
son
Published Temperature = 35 C Humidity = 27 % to IBM Wat
son
Published Temperature = 27 C Humidity = 26 % to IBM Wat
son
Published Temperature = 18 C Humidity = 60 % to IBM Wat
son
Published Temperature = 21 C Humidity = 38 % to IBM Wat
son
Published Temperature = 91 C Humidity = 79 % to IBM Wat
son
Published Temperature = 34 C Humidity = 85 % to IBM Wat
son
Published Temperature = 84 C Humidity = 44 % to IBM Wat
son
Published Temperature = 76 C Humidity = 44 % to IBM Wat
son
```

ibmiotpublishsubscribe.py - C:\Users\ADMIN\Downloads\ibmiotpublishsubscribe.py (3.7.0)

```
File Edit Format Run Options Window Help

import time
import sys
import ibmiotf.application
import ibmiotf.device
import random

#Provide your IBM Watson Device Credentials
organization = "3f3tah"
deviceType = "sensor"
deviceId = "123456"
authMethod = "token"
authToken = "1234567890"

# Initialize GPIO

def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status=="lighton":
        print ("led is on")
    else :
        print ("led is off")
    #print(cmd)

try:
    deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod, "auth-token": authToken}
    deviceCli = ibmiotf.device.Client(deviceOptions)
    #.....

except Exception as e:
    print("Caught exception connecting device: %s" % str(e))
    sys.exit()

# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting" 10 times
deviceCli.connect()
```

