

TEAM ID : PNT2022TMID12767

PROJECT TITLE : Industry-Specific Intelligent Fire Management System

PUBLISH DATA TO THE IBM CLOUD

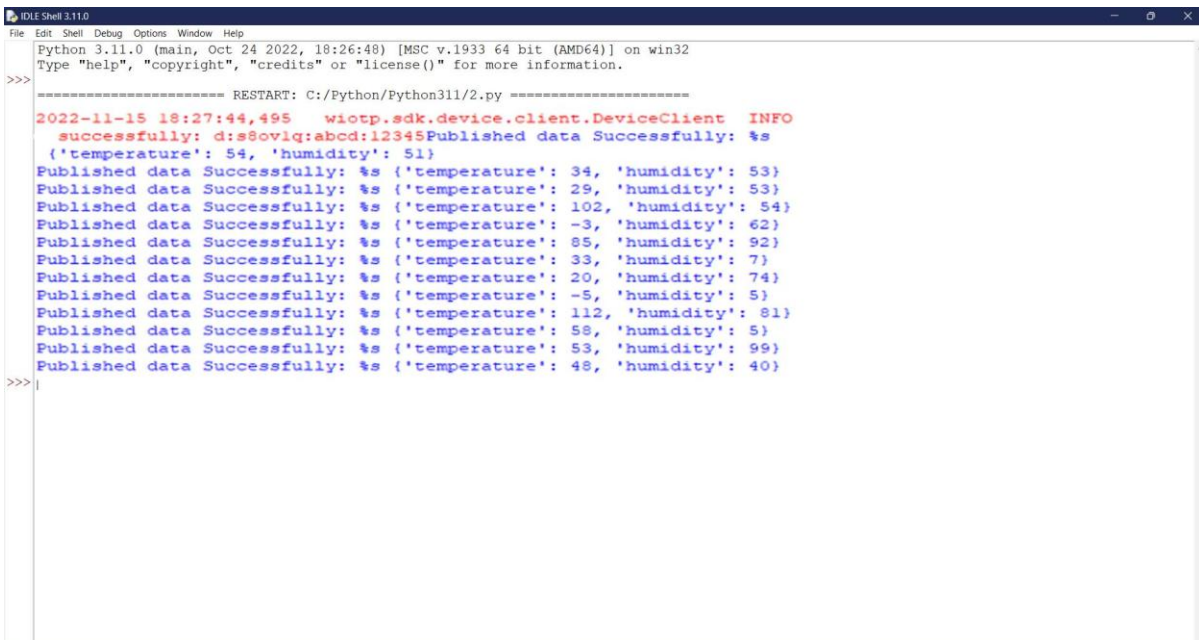


```
ibm.py - C:/Python/Python3.11/ibm.py (3.11.0)
File Edit Format Run Options Window Help

#IBM Watson IOT platform
import wiotp.sdk.device
import time
import random
myConfig={
    "identity": {
        "orgId":"sg5c1o",
        "typeId":"xyz",
        "deviceId":"5678"
    },
    "auth": {
        "token":"567891011"
    }
}

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()
```

Ln: 12 Col: 27



```
IDLE Shell 3.11.0
File Edit Shell Debug Options Window Help

Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Python/Python311/2.py =====
2022-11-15 18:27:44,495 wiotp.sdk.device.client.DeviceClient INFO
successfully: d:s8oviq:abcd:12345Published data Successfully: %s
{'temperature': 54, 'humidity': 51}
Published data Successfully: %s {'temperature': 34, 'humidity': 53}
Published data Successfully: %s {'temperature': 29, 'humidity': 53}
Published data Successfully: %s {'temperature': 102, 'humidity': 54}
Published data Successfully: %s {'temperature': -3, 'humidity': 62}
Published data Successfully: %s {'temperature': 85, 'humidity': 92}
Published data Successfully: %s {'temperature': 33, 'humidity': 7}
Published data Successfully: %s {'temperature': 20, 'humidity': 74}
Published data Successfully: %s {'temperature': -5, 'humidity': 5}
Published data Successfully: %s {'temperature': 112, 'humidity': 81}
Published data Successfully: %s {'temperature': 58, 'humidity': 5}
Published data Successfully: %s {'temperature': 53, 'humidity': 99}
Published data Successfully: %s {'temperature': 48, 'humidity': 40}
>>>
```

IBM Watson IoT Platform

sg5c1o.internetofthings.ibmcloud.com/dashboard/devices/browse

sinhubalaj13@gmail.com
ID: sg5c1o

Browse Action Device Types Interfaces

Add Device

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> 1214	Disconnected	esp32	Device	Nov 15, 2022 8:01 PM	
> 1234	Disconnected	iot_device	Device	Nov 13, 2022 11:05 AM	
▼ 5678	Connected	xyz	Device	Nov 16, 2022 10:03 PM	

Identity Device Information Recent Events State Logs

Device ID: 5678
Device Type: xyz
Date Added: Nov 16, 2022 10:03 PM
Added By: sinhubalaj13@gmail.com
Connection Status: **Connected**

Items per page 50 | 1-3 of 3 items

1 of 1 page

1 Simulation running

IBM Watson IoT Platform

sg5c1o.internetofthings.ibmcloud.com/dashboard/devices/browse

sinhubalaj13@gmail.com
ID: sg5c1o

Browse Action Device Types Interfaces

Add Device

> 1234	Disconnected	iot_device	Device	Nov 13, 2022 11:05 AM	
▼ 5678	Connected	xyz	Device	Nov 16, 2022 10:03 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
event_1	{"temperature":28,"humidity":98}	json	a few seconds ago
event_1	{"temperature":31,"humidity":83}	json	a few seconds ago
event_1	{"temperature":46,"humidity":94}	json	a few seconds ago
event_1	{"temperature":26,"humidity":80}	json	a few seconds ago
event_1	{"temperature":4,"humidity":5}	json	a few seconds ago

1 Simulation running