

## IBM IOT PUBLISH PYTHON

```
python.py - C:/Users/HP/Desktop/python.py (3.7.0)
File Edit Format Run Options Window Help

#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "s8ovlq",
        "typeId": "abcd",
        "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()
```

## OUTPUT

```
*Python 3.7.0 Shell*
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/HP/Desktop/python.py =====
2022-11-15 18:27:44,495 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:s8ovlq: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}
```

## PUBLISHING DATA TO IOT

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
▼ <input type="checkbox"/>	12345	<span>●</span> Connected	abcd	Device	Nov 15, 2022 11:38 AM
<div>IdentityDevice InformationRecent EventsStateLogs</div>					

Device ID	12345
Device Type	abcd
Date Added	Nov 15, 2022 11:38 AM
Added By	praveen2015slv@gmail.com
Connection Status	Connected
	Connection Time: Nov 15, 2022 6:27 PM
	Client Address: 223.181.237.182 SecureToken

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":100,"humidity":78}	json	a few seconds ago
status	{"temperature":37,"humidity":25}	json	a few seconds ago
status	{"temperature":61,"humidity":66}	json	a few seconds ago
status	{"temperature":6,"humidity":95}	json	a few seconds ago