

# PUBLISH DATA TO IBM CLOUD

Date	18 NOV 2022
Project Name	Signs with smart connectivity for better Road Safety
Team ID	PNT2022TMID11039

IBM Watson IoT Platform

Search by Device ID

Device ID: 13555544, Status: Connected, Device Type: 12345, Class ID: Device, Date Added: 18 Nov 2022 20:23

Recent Events

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\":102,\"humidity\":69}	json	a few seconds ago
status	{\"temperature\":103,\"humidity\":2}	json	a few seconds ago
status	{\"temperature\":45,\"humidity\":83}	json	a few seconds ago

```
3.py - C:/Python/ibm codes/codes/Sprint1/3.py (3.7.4)
File Edit Format Run Options Window Help
#IBM Watson IoT Platform
#pip install wiop-sdk
import wiop.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "ju7btr",
        "typeId": "12345",
        "deviceId": "13555544"
    },
    "auth": {
        "token": "_iMxKSQagd4LjogNLg"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']

client = wiop.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()
```

```
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
Published data Successfully: %s ('temperature': 47, 'humidity': 56)
Published data Successfully: %s ('temperature': 111, 'humidity': 9)
Published data Successfully: %s ('temperature': 51, 'humidity': 29)
Published data Successfully: %s ('temperature': 124, 'humidity': 47)
Published data Successfully: %s ('temperature': -12, 'humidity': 0)
Published data Successfully: %s ('temperature': 4, 'humidity': 67)
Published data Successfully: %s ('temperature': 3, 'humidity': 91)
Published data Successfully: %s ('temperature': 12, 'humidity': 59)
Published data Successfully: %s ('temperature': 36, 'humidity': 28)
Published data Successfully: %s ('temperature': 96, 'humidity': 84)
Published data Successfully: %s ('temperature': -8, 'humidity': 97)
Published data Successfully: %s ('temperature': 104, 'humidity': 41)
Published data Successfully: %s ('temperature': 74, 'humidity': 79)
Published data Successfully: %s ('temperature': -4, 'humidity': 66)
Published data Successfully: %s ('temperature': 111, 'humidity': 82)
Published data Successfully: %s ('temperature': 75, 'humidity': 23)
Published data Successfully: %s ('temperature': -15, 'humidity': 57)
Published data Successfully: %s ('temperature': 10, 'humidity': 68)
Published data Successfully: %s ('temperature': 74, 'humidity': 95)
Published data Successfully: %s ('temperature': 29, 'humidity': 67)
Published data Successfully: %s ('temperature': 58, 'humidity': 14)
Published data Successfully: %s ('temperature': 112, 'humidity': 63)
Published data Successfully: %s ('temperature': 88, 'humidity': 20)
Published data Successfully: %s ('temperature': 33, 'humidity': 59)
Published data Successfully: %s ('temperature': 35, 'humidity': 20)
Published data Successfully: %s ('temperature': 96, 'humidity': 27)
Published data Successfully: %s ('temperature': 89, 'humidity': 16)
Published data Successfully: %s ('temperature': 45, 'humidity': 83)
Published data Successfully: %s ('temperature': 103, 'humidity': 2)
Published data Successfully: %s ('temperature': 102, 'humidity': 69)
Published data Successfully: %s ('temperature': 26, 'humidity': 14)
Published data Successfully: %s ('temperature': 32, 'humidity': 85)
Published data Successfully: %s ('temperature': 87, 'humidity': 40)
Published data Successfully: %s ('temperature': 16, 'humidity': 22)
Published data Successfully: %s ('temperature': -4, 'humidity': 99)
Published data Successfully: %s ('temperature': 59, 'humidity': 81)
Published data Successfully: %s ('temperature': -10, 'humidity': 55)
Published data Successfully: %s ('temperature': 103, 'humidity': 69)
Published data Successfully: %s ('temperature': 58, 'humidity': 13)
Published data Successfully: %s ('temperature': 22, 'humidity': 89)
Published data Successfully: %s ('temperature': 35, 'humidity': 72)
Published data Successfully: %s ('temperature': 8, 'humidity': 0)
Published data Successfully: %s ('temperature': 68, 'humidity': 20)
Published data Successfully: %s ('temperature': 62, 'humidity': 48)
Published data Successfully: %s ('temperature': -13, 'humidity': 39)
```