Publish Data to the IBM Cloud

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


#Provide your IBM Watson Device Credentials
organization = "dowtrp"
deviceType = "Safety"
deviceId = "Fire"
authMethod = "use-token-auth"
authToken = "UE(4uxKXQpophKocdp"

# Initialize GPIO

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

while True:
        #Get Sensor Data from DHT11

        temp=random.randint(0,100)
```

Ln: 65

```
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
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>>>
=============== RESTART: C:\Users\Admin\Downloads\Python Code.py ===============
2022-11-10 10:57:43,443   ibmiotf.device.Client      INFO      Connected successfully: d:dowtrp:Safety:Fire
Published Temperature = 16 C Humidity = 19 % to IBM Watson
Published Temperature = 70 C Humidity = 16 % to IBM Watson
Published Temperature = 35 C Humidity = 31 % to IBM Watson
Published Temperature = 20 C Humidity = 47 % to IBM Watson
Published Temperature = 38 C Humidity = 80 % to IBM Watson
Published Temperature = 25 C Humidity = 38 % to IBM Watson
Published Temperature = 90 C Humidity = 92 % to IBM Watson
Published Temperature = 69 C Humidity = 19 % to IBM Watson
Published Temperature = 75 C Humidity = 6 % to IBM Watson
Published Temperature = 87 C Humidity = 90 % to IBM Watson
Published Temperature = 16 C Humidity = 17 % to IBM Watson
```

Activate Windows
Go to Settings to activate Windows.

Ln: 5 Col

IBM Watson IoT Platform

Browse | Action | Device Types | Interfaces

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

	Device ID	Status	Device Type	Class ID	Date Added	Descriptiv
∨ ■	Fire	⚡ Disconnected	Safety	Device	Nov 10, 2022 9:49 AM	

Identity | Device Information | Recent Events | State | Logs

Device ID	Fire
Device Type	Safety
Date Added	Nov 10, 2022 9:49 AM
Added By	selvarams.cse19@veltechmultitech.org
Connection Status	Disconnected

Items per page 50 ▾ | 1–1 of 1 item

Simulations

Import/Export simulation

1/50 Simulations Running | + New Simulation

Device Type
Safety — 🔧 1 Event 🔘 🗑

1 Device

⚙ Fire

1 × | Create Simulated Device | Use Registered Device

0 event sent | Activate Windows 0 bytes sent ›
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Add Device ⊕

Search by Device ID | Device Simulator 🔘

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By	
∨ ■	Fire	● Connected	Safety	Device	Nov 10, 2022 9:49 AM		selvarams.cse19@veltechmultitech.org	→ •••

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
IoTSensor	{"temp":75,"Humid":6}	json	a few seconds ago
IoTSensor	{"temp":69,"Humid":19}	json	a few seconds ago
IoTSensor	{"temp":90,"Humid":92}	json	a few seconds ago
IoTSensor	{"temp":25,"Humid":38}	json	a few seconds ago
IoTSensor	{"temp":38,"Humid":80}	json	a few seconds ago

Activate Windows
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