

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 = "UE4uaXKkgophKocdp"

# 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
    #####
```

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Python 3.7.0 Shell

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>>>

```
===== RESTART: C:\Users\Admin\Downloads\Python Code.py =====
Published Temperature = 16 C Humidity = 19 % to IBM Watson      INFO      Connected successfully: didowtrp:Safety:Fire
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 = 52 % 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.

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IBM Watson IoT Platform

selvarams.cse19@veltechmultitech.org
ID: dowe1rp

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