

## Publish Data to the ibm cloud

Date	12 September 2022
Team ID	PNT2022TMID41908
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

### Code:

```
new.py - F:/ibm/new.py (3.6.5)
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#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "0z9ma9",
        "typeId": "NodeMCU",
        "deviceId": "8680"
    },
    "auth": {
        "token": "8680933262"
    }
}

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:

IBM Watson IoT Platform

622519104007@smartinternz.com  
ID: 0z9ma9

Browse

Action

Device Types

Interfaces

Add Device +

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":97,"humidity":45}	json	a few seconds ago
status	{"temperature":-10,"humidity":72}	json	a few seconds ago
status	{"temperature":100,"humidity":48}	json	a few seconds ago
status	{"temperature":55,"humidity":66}	json	a few seconds ago
status	{"temperature":3,"humidity":3}	json	a few seconds ago

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Disconnected

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Device

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