python publish sub.py - C:\Users\acer\AppData\Local\Programs\Python\Python37\python publish sub.py (3.7.0)

File Edit Format Run Options Window Help

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


#Provide your IBM Watson Device Credentials
organization = "domlyv"
deviceType = "abcd"
deviceId = "12"
authMethod = "token"
authToken = "12345678"

# Initialize GPIO


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

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# 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(90,100)
        Humid=random.randint(60,100)

        data = { 'temp' : temp, 'Humid': Humid }
        #print data
        def myOnPublishCallback():
            print ("Published Temperature = %s C" % temp, "Humidity = %s %%" % Humid, "to IBM Watson")

        success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0, on_publish=myOnPublishCallback)
        if not success:
            print("Not connected to IoTF")
        time.sleep(10)

        deviceCli.commandCallback = myCommandCallback

# Disconnect the device and application from the cloud
deviceCli.disconnect()
```

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Type here to search

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Python 3.7.0 Shell

File Edit Shell Debug Options Window Help

```
>>>
 RESTART: C:/Users/acer/AppData/Local/Programs/Python/Python37/python publish sub.py
Caught exception connecting device: 'auth-method'
>>>
 RESTART: C:/Users/acer/AppData/Local/Programs/Python/Python37/python publish sub.py
2022-11-10 08:33:18,908   ibmiotf.device.Client      INFO    Connected successfully: d:domlyv:abcd:12
Published Temperature = 95 C Humidity = 74 % to IBM Watson
Published Temperature = 99 C Humidity = 97 % to IBM Watson
Published Temperature = 97 C Humidity = 88 % to IBM Watson
Published Temperature = 95 C Humidity = 89 % to IBM Watson
Published Temperature = 93 C Humidity = 86 % to IBM Watson
Published Temperature = 97 C Humidity = 91 % to IBM Watson
Published Temperature = 97 C Humidity = 71 % to IBM Watson
Published Temperature = 97 C Humidity = 63 % to IBM Watson
Published Temperature = 99 C Humidity = 92 % to IBM Watson
Published Temperature = 97 C Humidity = 70 % to IBM Watson
Published Temperature = 95 C Humidity = 95 % to IBM Watson
Published Temperature = 96 C Humidity = 82 % to IBM Watson
Published Temperature = 99 C Humidity = 66 % to IBM Watson
Published Temperature = 95 C Humidity = 99 % to IBM Watson
Published Temperature = 98 C Humidity = 82 % to IBM Watson
Published Temperature = 90 C Humidity = 70 % to IBM Watson
Published Temperature = 98 C Humidity = 73 % to IBM Watson
Published Temperature = 96 C Humidity = 92 % to IBM Watson
Published Temperature = 100 C Humidity = 72 % to IBM Watson
Published Temperature = 97 C Humidity = 85 % to IBM Watson
Published Temperature = 99 C Humidity = 86 % to IBM Watson
Published Temperature = 96 C Humidity = 95 % to IBM Watson
Published Temperature = 95 C Humidity = 100 % to IBM Watson
Published Temperature = 95 C Humidity = 97 % to IBM Watson
Published Temperature = 94 C Humidity = 91 % to IBM Watson
Published Temperature = 99 C Humidity = 82 % to IBM Watson
Published Temperature = 99 C Humidity = 79 % to IBM Watson
Published Temperature = 93 C Humidity = 86 % to IBM Watson
Published Temperature = 97 C Humidity = 97 % to IBM Watson
Published Temperature = 99 C Humidity = 99 % to IBM Watson
Published Temperature = 93 C Humidity = 69 % to IBM Watson
Published Temperature = 95 C Humidity = 72 % to IBM Watson
Published Temperature = 94 C Humidity = 88 % to IBM Watson
Published Temperature = 90 C Humidity = 76 % to IBM Watson
Published Temperature = 90 C Humidity = 88 % to IBM Watson
```

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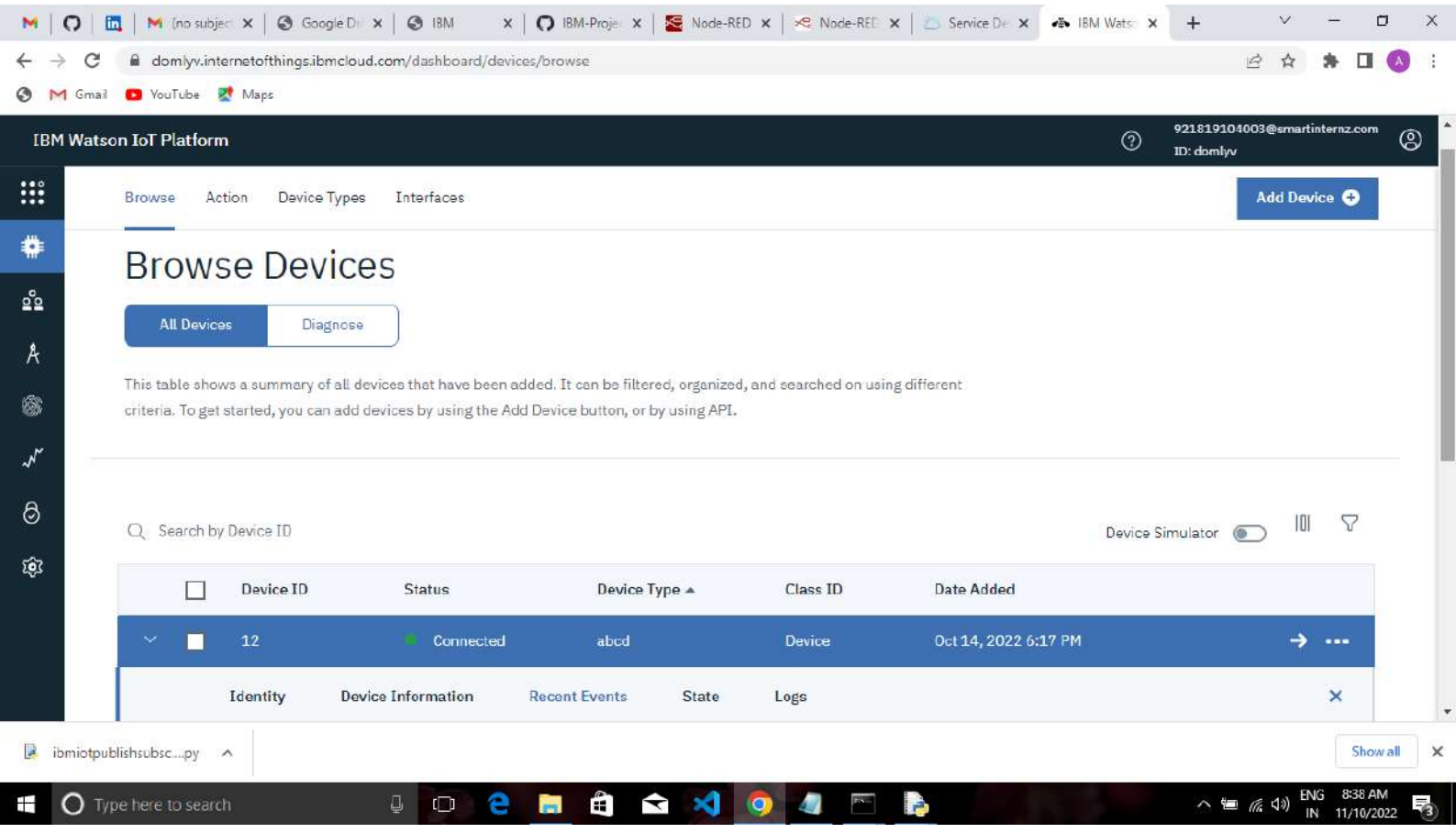
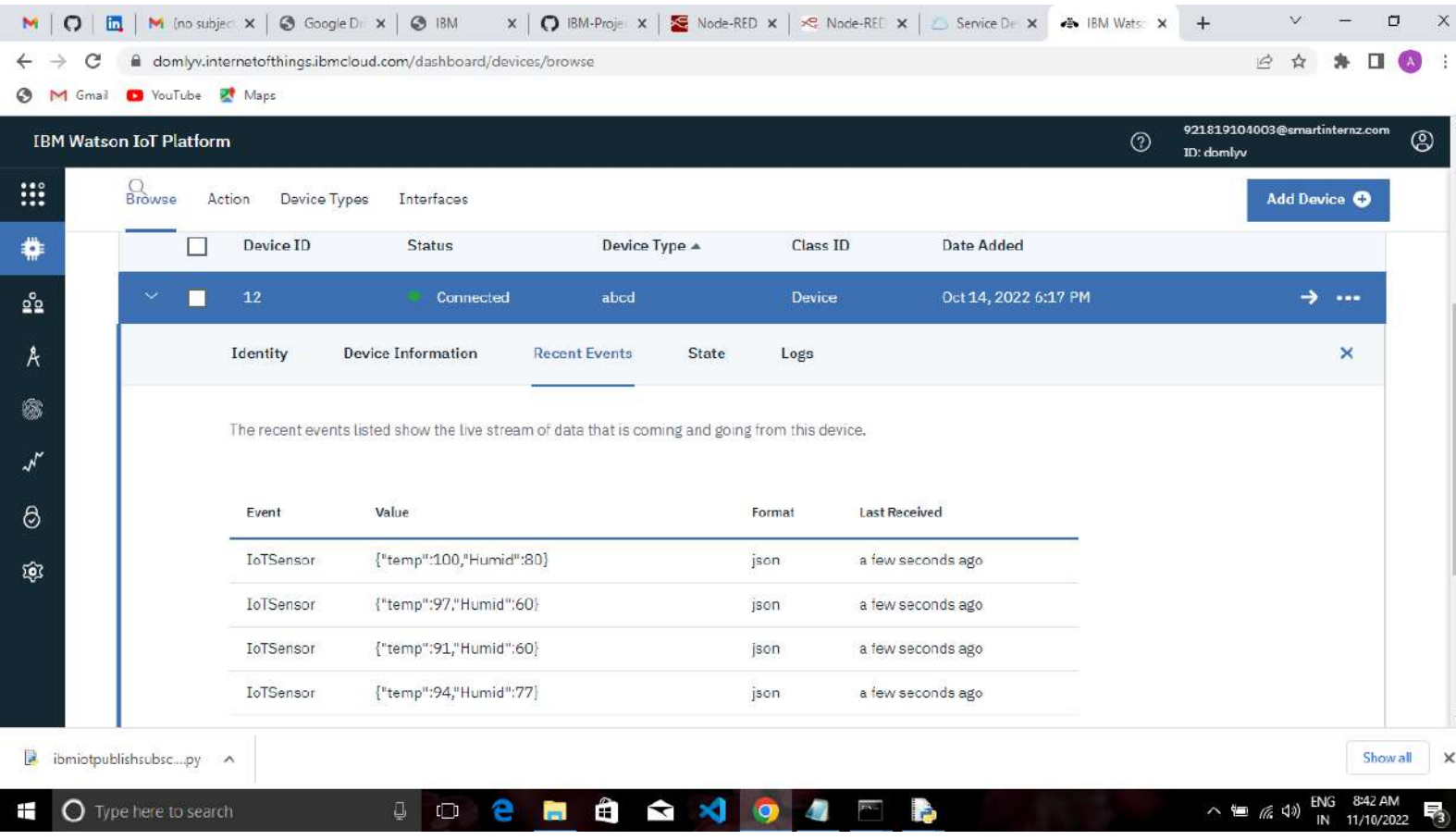
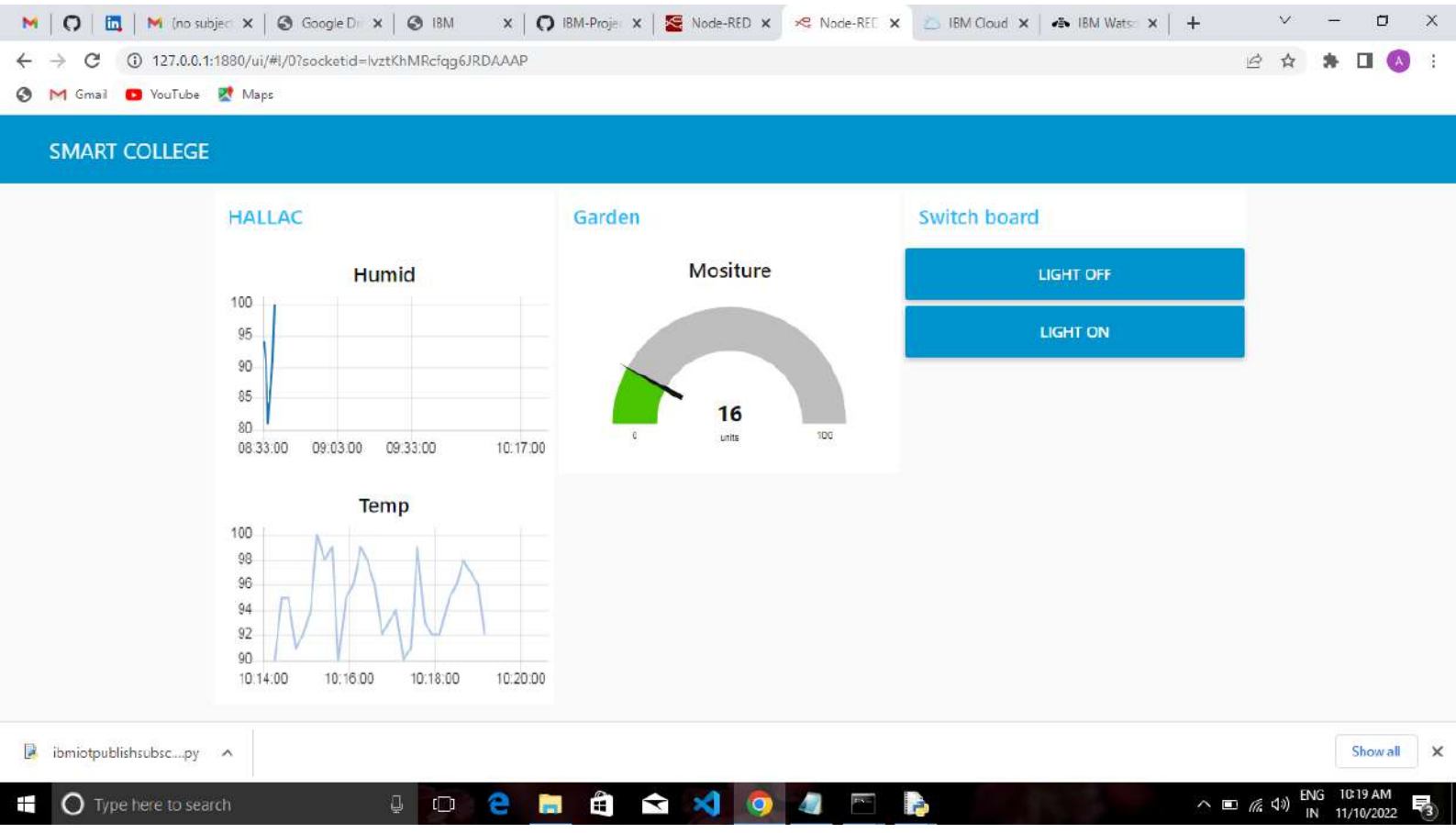

domlyv.internetofthings.ibmcloud.com/dashboard/devices/browse
Gmail
YouTube
Maps
IBM Watson IoT Platform
921819104003@smartinternz.com
ID: domlyv
Browse
Action
Device Types
Interfaces
Add Device
Browse Devices
All Devices
Diagnose
This table shows a summary of all devices that have been added. It can 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.
Search by Device ID
Device Simulator
Device ID
Status
Device Type
Class ID
Date Added
12
Connected
abcd
Device
Oct 14, 2022 6:17 PM
Identity
Device Information
Recent Events
State
Logs
ibmiotpublishsubsc....py
Show all
Type here to search
ENG
IN
8:38 AM
11/10/2022


IBM Watson IoT Platform
921819104003@smartinternz.com
ID: domlyv
Browse
Action
Device Types
Interfaces
Add Device
Device ID
Status
Device Type
Class ID
Date Added
12
Connected
abcd
Device
Oct 14, 2022 6:17 PM
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":100,"Humid":80}
json
a few seconds ago
IoTSensor
{"temp":97,"Humid":60}
json
a few seconds ago
IoTSensor
{"temp":91,"Humid":60}
json
a few seconds ago
IoTSensor
{"temp":94,"Humid":77}
json
a few seconds ago


127.0.0.1:1880/ui/#!/0?socketid=lvztKhMRcfqg6JRDAAAP
Gmail
YouTube
Maps
SMART COLLEGE
HALLAC
Humid
100
95
90
85
80
08.33.00
09.03.00
09.33.00
10.17.00
Temp
100
98
96
94
92
90
10.14.00
10.16.00
10.18.00
10.20.00
Garden
Mositure
16
units
0
100
Switch board
LIGHT OFF
LIGHT ON
ibmiotpublishsubsc....py
Show all
Type here to search
ENG
IN
10:19 AM
11/10/2022