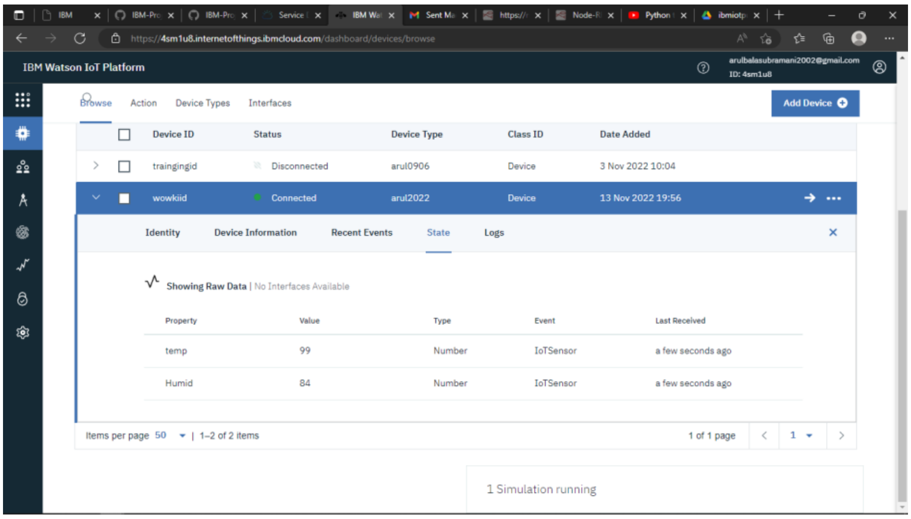
Project Planning phase
SPRINT-1

Date	17 NOV 2022
Team ID	PNT2022TMID45391
Project Name	Project-Industry-specific intelligent fire management system

Submitted by:

Team Leader: ARUL B
Team member: AHAMED HABEEB ANSARI V U
Team member: ARUN KUMAR R
Team member: YUVARAJA E

OUTPUT:



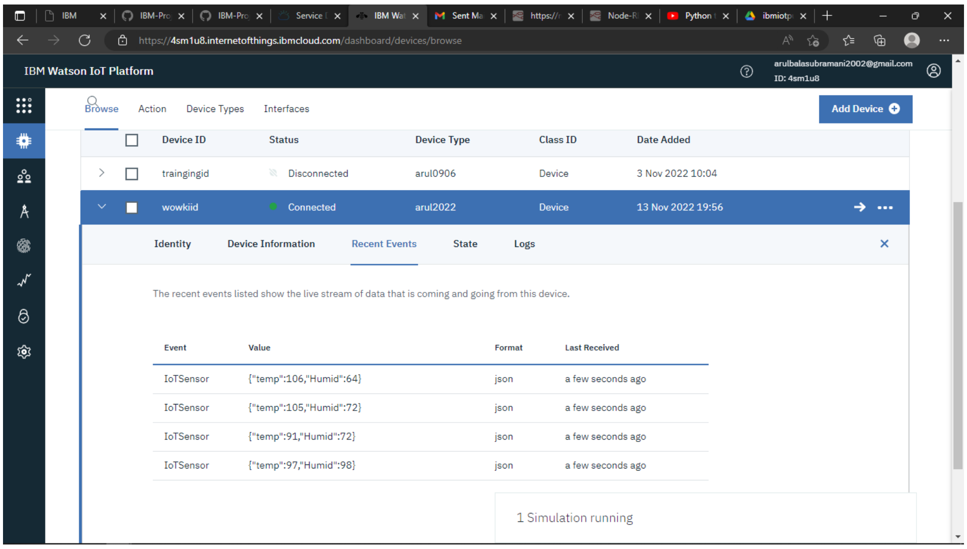
	Device ID	Status	Device Type	Class ID	Date Added
☐	traingingid	Disconnected	arul0906	Device	3 Nov 2022 10:04
☐	wowkiid	● Connected	arul2022	Device	13 Nov 2022 19:56

Showing Raw Data | No Interfaces Available

Property	Value	Type	Event	Last Received
temp	99	Number	IoTSensor	a few seconds ago
Humid	84	Number	IoTSensor	a few seconds ago

Items per page 50 | 1–2 of 2 items   1 of 1 page   1

1 Simulation running

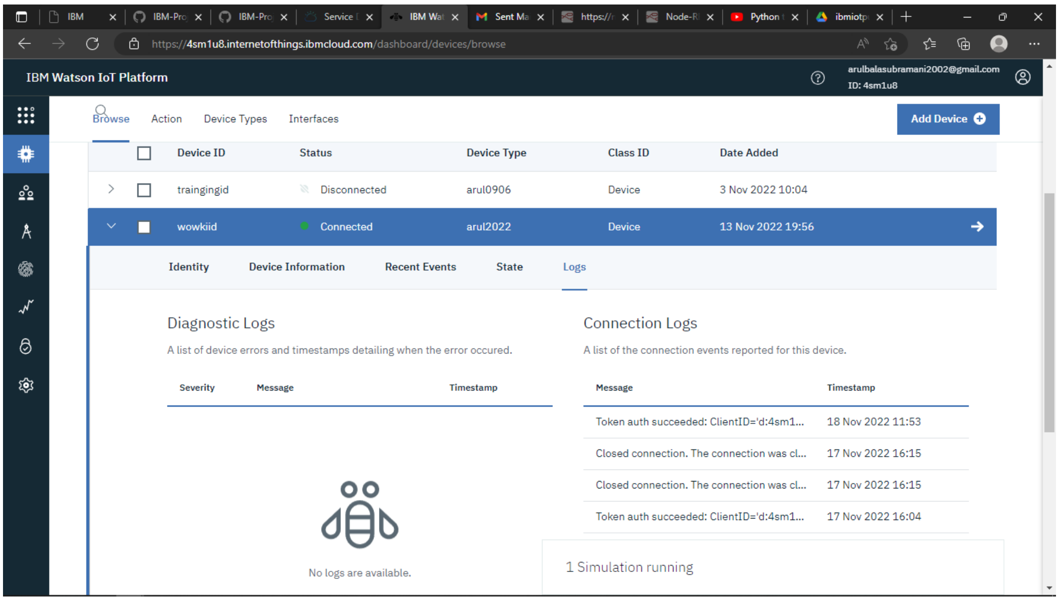


	Device ID	Status	Device Type	Class ID	Date Added
☐	traingingid	Disconnected	arul0906	Device	3 Nov 2022 10:04
☐	wowkiid	● Connected	arul2022	Device	13 Nov 2022 19:56

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":106,"Humid":64}	json	a few seconds ago
IoTSensor	{"temp":105,"Humid":72}	json	a few seconds ago
IoTSensor	{"temp":91,"Humid":72}	json	a few seconds ago
IoTSensor	{"temp":97,"Humid":98}	json	a few seconds ago

1 Simulation running



□	Device ID	Status	Device Type	Class ID	Date Added
□	traingingid	Disconnected	arul0906	Device	3 Nov 2022 10:04
□	wowkiid	● Connected	arul2022	Device	13 Nov 2022 19:56

Diagnostic Logs

A list of device errors and timestamps detailing when the error occured.

Severity	Message	Timestamp

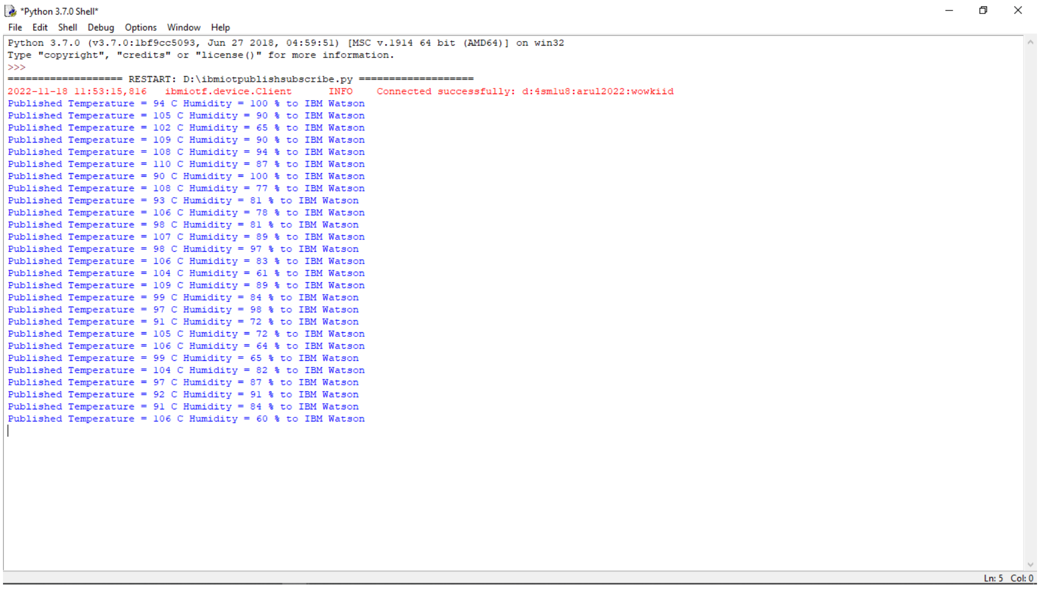
No logs are available.

Connection Logs

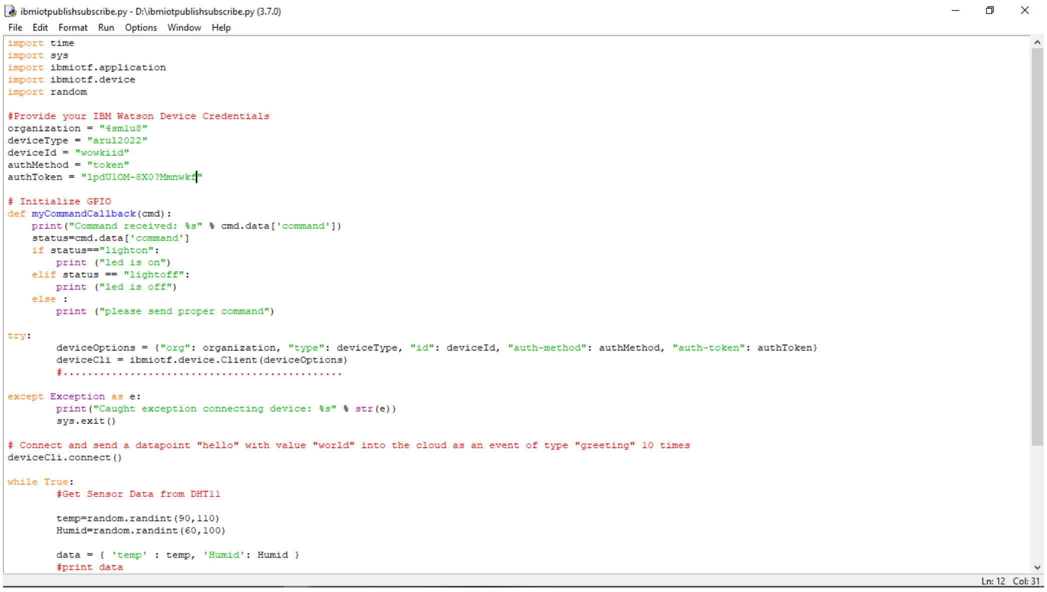
A list of the connection events reported for this device.

Message	Timestamp
Token auth succeeded: ClientID='d:4sm1...	18 Nov 2022 11:53
Closed connection. The connection was cl...	17 Nov 2022 16:15
Closed connection. The connection was cl...	17 Nov 2022 16:15
Token auth succeeded: ClientID='d:4sm1...	17 Nov 2022 16:04

1 Simulation running



```
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.
>>> 
==================== RESTART: D:\ibmiotpublishsubscribe.py ====================
2022-11-18 11:53:15,816   ibmiotf.device.Client      INFO    Connected successfully: d:4smlu8:arul2022:wowkiid
Published Temperature = 94 C Humidity = 100 % to IBM Watson
Published Temperature = 105 C Humidity = 90 % to IBM Watson
Published Temperature = 102 C Humidity = 65 % to IBM Watson
Published Temperature = 109 C Humidity = 90 % to IBM Watson
Published Temperature = 108 C Humidity = 94 % to IBM Watson
Published Temperature = 110 C Humidity = 87 % to IBM Watson
Published Temperature = 90 C Humidity = 100 % to IBM Watson
Published Temperature = 108 C Humidity = 77 % to IBM Watson
Published Temperature = 93 C Humidity = 81 % to IBM Watson
Published Temperature = 106 C Humidity = 78 % to IBM Watson
Published Temperature = 98 C Humidity = 81 % to IBM Watson
Published Temperature = 107 C Humidity = 89 % to IBM Watson
Published Temperature = 98 C Humidity = 97 % to IBM Watson
Published Temperature = 106 C Humidity = 83 % to IBM Watson
Published Temperature = 104 C Humidity = 61 % to IBM Watson
Published Temperature = 109 C Humidity = 89 % to IBM Watson
Published Temperature = 99 C Humidity = 84 % to IBM Watson
Published Temperature = 97 C Humidity = 98 % to IBM Watson
Published Temperature = 91 C Humidity = 72 % to IBM Watson
Published Temperature = 105 C Humidity = 72 % to IBM Watson
Published Temperature = 106 C Humidity = 64 % to IBM Watson
Published Temperature = 99 C Humidity = 65 % to IBM Watson
Published Temperature = 104 C Humidity = 82 % to IBM Watson
Published Temperature = 97 C Humidity = 87 % to IBM Watson
Published Temperature = 92 C Humidity = 91 % to IBM Watson
Published Temperature = 91 C Humidity = 84 % to IBM Watson
Published Temperature = 106 C Humidity = 60 % to IBM Watson
```



ibmiotpublishsubscribe.py - D:\ibmiotpublishsubscribe.py (3.7.0)
File Edit Format Run Options Window Help
Ln: 12 Col: 31

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

#Provide your IBM Watson Device Credentials
organization = "4smlu8"
deviceType = "arul2022"
deviceId = "wowkiid"
authMethod = "token"
authToken = "1pdU1OM-8X0?Mmnwkf"

# Initialize GPIO
def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status=="lighton":
        print ("led is on")
    elif status == "lightoff":
        print ("led is off")
    else :
        print ("please send proper command")

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(90,110)
        Humid=random.randint(60,100)

        data = { 'temp' : temp, 'Humid': Humid }
        #print data
```