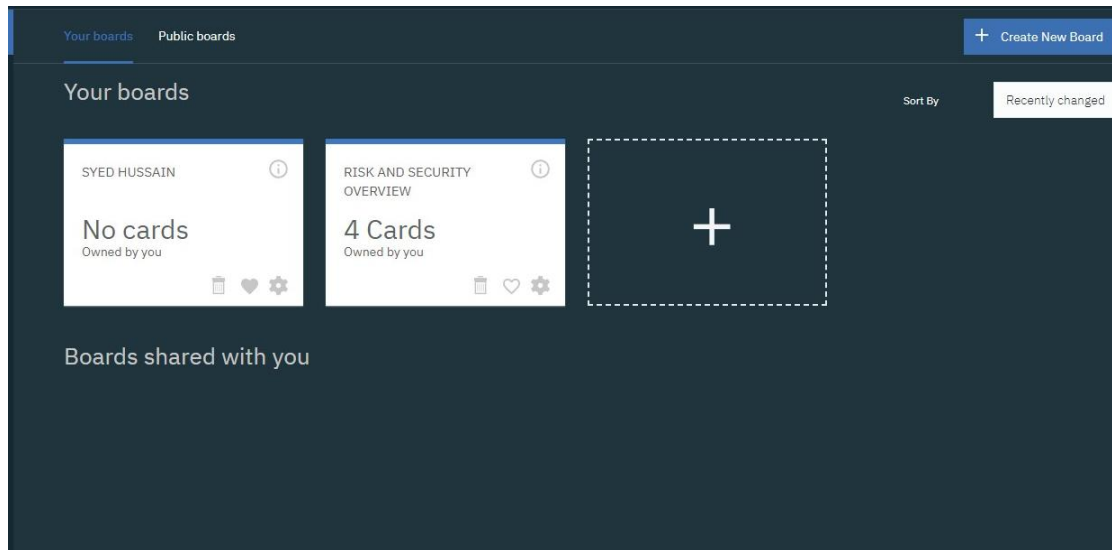


Publish Data To The IBM Cloud

Team ID	PNT2022TMID52137
Project Name	Signs with Smart Connectivity for Better Road Safety

Signs with Smart Connectivity for Better Road Safety



Browse

Action

Device Types

Interfaces

Add Device

Device ID

Status

Device Type

Class ID

Date Added

1234

Connected

NODE

Device

Nov 15, 2022 10:57 PM

Identity

Device Information

Recent Events

State

Logs

Device ID

1234

Device Type

NODE

Date Added

Nov 15, 2022 10:57 PM

Added By

622519106048@smartinternz.com

Connection Status

Connected

Connection Time: Nov 15, 2022 11:47 PM

Client Address: 106.197.103.208 SecureToken

Items per page 50 | 1–1 of 1 item

1 of 1 page

Python Code:

#IBM Watson IOT Platform

#pip install wiotp-sdk

import wiotp.sdk.device

import time

import random

myConfig = {

 "identity": {

 "orgId": "7znh86",

 "typeId": "NODE",

 "deviceId": "1234"

 },

 "auth": {

 "token": "123456789"

 }

}

```
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:

The screenshot shows a Windows terminal window titled "Python 3.6.5 Shell". The terminal displays the output of a Python script. The script starts with a restart command, then connects to a device and publishes a series of data points. The output shows the connection status and the data being published.

```
Python 3.6.5 (v3.6.5:cf59cc0932b4, Mar 28 2018, 16:07:46) [MSC v.1900 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:/Users/pc/AppData/Local/Programs/Python/Python36-32/PYTHON CODE.py
2022-11-15 23:47:25,154 wiotcp.sdk.device.client.DeviceClient INFO Connected successfully: d:7znhs6:NODE:1234Published data Successfully: %s
{'temperature': 124, 'humidity': 72}
Published data Successfully: %s {'temperature': 62, 'humidity': 15}
Published data Successfully: %s {'temperature': 30, 'humidity': 91}
Published data Successfully: %s {'temperature': 36, 'humidity': 96}
Published data Successfully: %s {'temperature': 22, 'humidity': 33}
Published data Successfully: %s {'temperature': 42, 'humidity': 63}
Published data Successfully: %s {'temperature': 36, 'humidity': 32}
Published data Successfully: %s {'temperature': -15, 'humidity': 63}
Published data Successfully: %s {'temperature': 56, 'humidity': 53}
Published data Successfully: %s {'temperature': 59, 'humidity': 36}
Published data Successfully: %s {'temperature': 89, 'humidity': 89}
```

At the bottom of the terminal window, there is a navigation bar with the following tabs: Browse, Action, Device Types, and Interfaces. The "Browse" tab is currently selected. To the right of the tabs is a blue button labeled "Add Device" with a plus icon.

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	
▼ <input type="checkbox"/>	1234	● Connected	NODE	Device	Nov 15, 2022 10:57 PM	→ ...
	Identity	Device Information	Recent Events	State	Logs	✕
✓ Showing Raw Data No Interfaces Available						
	Property	Value	Type	Event	Last Received	
	temperature	119	Number	status	a few seconds ago	
	humidity	33	Number	status	a few seconds ago	

