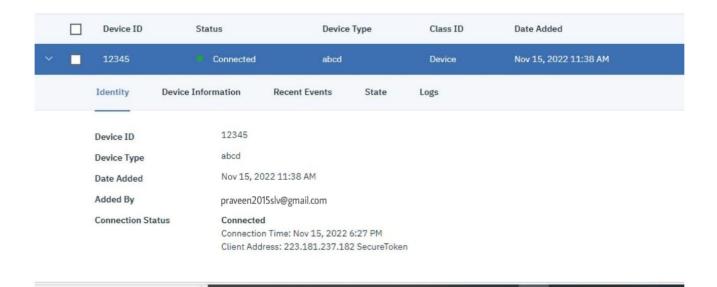
## IBM IOT PUBLISH PYTHON

```
python.py - C:/Users/HP/Desktop/python.py (3.7.0)
File Edit Format Run Options Window Help
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "s8ovlq",
        "typeId": "abcd"
        "deviceId": "12345"
    "auth": {
        "token": "12345678"
}
def mvCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']
client = wiotp.sdk.device.DeviceClient(config=mvConfig. 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
client.disconnect()
```

## OUTPUT

```
*Python 3.7.0 Shell*
                                                                                  File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:lbf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD6 ^
4)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
======== RESTART: C:/Users/HP/Desktop/python.py =============
                           wiotp.sdk.device.client.DeviceClient INFO
2022-11-15 18:27:44,495
d successfully: d:s8ovlq:abcd:12345Published data Successfully: %s
 {'temperature': 54, 'humidity': 51}
Published data Successfully: %s {'temperature': 34, 'humidity': 53}
Published data Successfully: %s {'temperature': 29, 'humidity': 53}
Published data Successfully: %s {'temperature': 102, 'humidity': 54}
Published data Successfully: %s {'temperature': -3, 'humidity': 62}
Published data Successfully: %s {'temperature': 85,
                                                         'humidity': 92}
Published data Successfully: %s {'temperature': 33, 'humidity': 7}
Published data Successfully: %s {'temperature': 20,
                                                          'humidity': 74}
Published data Successfully: %s {'temperature': -5, 'humidity': 5}
Published data Successfully: %s {'temperature': 112, 'humidity': 81}
Published data Successfully: %s {'temperature': 58, 'humidity': 5}
Published data Successfully: %s {'temperature': 53, 'humidity': 99}
Published data Successfully: %s {'temperature': 48, 'humidity': 40}
```

## PUBLISHING DATA TO IOT



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":100,"humidity":78} | json   | a few seconds ago |
| status | {"temperature":37,"humidity":25}  | json   | a few seconds ago |
| status | {"temperature":61,"humidity":66}  | json   | a few seconds ago |
| status | {"temperature":6,"humidity":95}   | json   | a few seconds ago |
|        |                                   |        |                   |