PUBLISH DATA TO THE IBM CLOUD

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Project Name	Signs With Smart Connectivity for Better Road Safety

Publish Data To The IBM Cloud:

Python code is used to send random sensor data to the cloud and also to receive commands from the cloud.
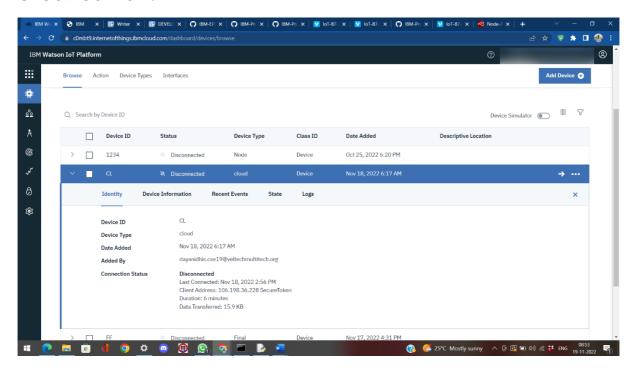
Below is the reference link provided for the python program to publish and subscribe from the IBM Watson IoT Platform.
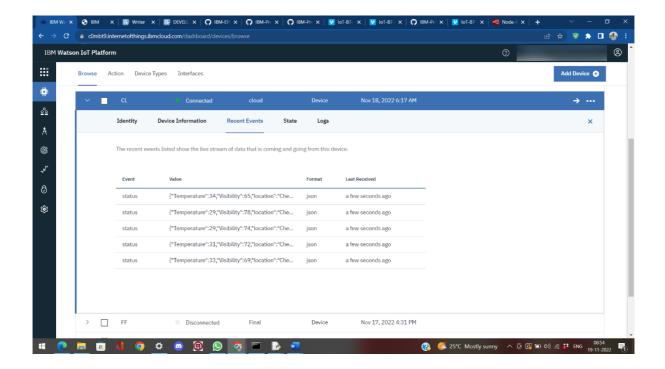
PYTHON CODE :

```
ibm.py - C:\Users\91994\OneDrive\Desktop\ibm.py (3.7.0)
File  Edit  Format  Run  Options  Window  Help
import wiotp.sdk.device
import time
from random import randint as ri
myConfig = {
    "identity": {
        "orgId": ":     ",
        "typeId": "cloud",
        "deviceId":"CL"
    },
    "auth": {
        "token": "         "
    }
}

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:
    myData={"Temperature":ri(28,35), "Visibility":ri(56,79), "location":"Chennai, In"}
    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()
```

PYTHON SHELL OUTPUT :

CLOUD OUTPUT :

CODE RUNNING :