

TEAM ID:	PNT2022TMID32727
PROJECT NAME:	Signs with smart connectivity for better road safety

### DEVELOP THE PYTHON SCRIPT AND PUSH DATA TO CLOUD

```
cloudDataPublish.py - C:/Users/swesw/AppData/Local/Programs/Python/Python37/cloudDat...
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import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "b7lu7v",
        "typeId": "Iot_platform_device_1",
        "deviceId": "Iot_platform_ID"
    },
    "auth": {
        "token": "UH+p9wG43O?5W-vN_p"
    }
}
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=
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

Python 3.7.0 Shell

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Python 3.7.0 (v3.7.0:1b9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32

Type "copyright", "credits" or "license()" for more information.

>>>

RESTART: C:/Users/swesw/AppData/Local/Programs/Python/Python37/cloudDataPublish.py

2022-11-14 22:14:05,563 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:b7lu7v:Iot\_platform\_device\_1:Iot\_platform\_IDPublished data Successfully: %s

{'temperature': 26, 'humidity': 84}

Published data Successfully: %s {'temperature': -13, 'humidity': 16}

Published data Successfully: %s {'temperature': -9, 'humidity': 47}

Published data Successfully: %s {'temperature': 90, 'humidity': 89}

Published data Successfully: %s {'temperature': 45, 'humidity': 40}

Published data Successfully: %s {'temperature': -9, 'humidity': 17}

Published data Successfully: %s {'temperature': 45, 'humidity': 98}

Published data Successfully: %s {'temperature': 49, 'humidity': 17}

Published data Successfully: %s {'temperature': 5, 'humidity': 59}

Published data Successfully: %s {'temperature': -5, 'humidity': 37}

Published data Successfully: %s {'temperature': 117, 'humidity': 41}

Published data Successfully: %s {'temperature': -10, 'humidity': 84}

Published data Successfully: %s {'temperature': 62, 'humidity': 35}

Published data Successfully: %s {'temperature': 36, 'humidity': 40}

Published data Successfully: %s {'temperature': 4, 'humidity': 68}

Published data Successfully: %s {'temperature': -20, 'humidity': 7}

Published data Successfully: %s {'temperature': 101, 'humidity': 59}