

PUSH DATA TO CLOUD PYTHON CODE

Date	05 NOVEMBER 2022
Team ID	PNT2022TMID30307
Project Name	Signs with Smart Connectivity for better Road Safety.

Python code

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "l3d3kw",
        "typeId": "Sprint",
        "deviceId": "Sprint-2"
    },
    "auth": {
        "token": "9384330400"
    }
}

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, log Handlers=None)
client.connect()

while True:
    temp=random.randint(0,125)
    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( )
```

IBM Watson IoT Platform

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Browse

Action

Device Types

Interfaces

Add Device +


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":112,"humidity":60}	json	a few seconds ago
status	{"temperature":104,"humidity":13}	json	a few seconds ago
status	{"temperature":118,"humidity":61}	json	a few seconds ago
status	{"temperature":19,"humidity":75}	json	a few seconds ago
status	{"temperature":88,"humidity":64}	json	a few seconds ago

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SridharID

 Disconnected

Assignment-4

Device

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