

Develop Python Script

Publish Data to IBM Cloud

Team ID	PNT2022TMID11434
Project Name	Smart Waste Management System for Metropolitan Cities

```
1 import wiotp.sdk.device
2 import time
3 import random
4 myConfig = {
5     "identity": {
6         "deviceId": "zal4ow",
7         "typeId": "Dumpster",
8         "deviceId": "12345"
9     },
10    "auth": {
11        "token": "87654321"
12    }
13 }
14 def myCommandCallback(cmd):
15     print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
16     m=cmd.data['command']
17     client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
18     client.connect()
19     while True:
20         temp=random.randint(-20,125)
21         hum=random.randint(0,100)
22         myData={'temperature':temp, 'humidity':hum}
23         client.publishEvent(eventId="status", msgFormat="json", data=myData)
24         time.sleep(10)
```

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Connected	Dumpster	Device	Nov 17, 2022 9:02 PM	
Identity	Device Information	Recent Events	State	Logs	
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":78,"humidity":41}	json	a few seconds ago		
status	{"temperature":45,"humidity":27}	json	a few seconds ago		
status	{"temperature":24,"humidity":53}	json	a few seconds ago		
status	{"temperature":21,"humidity":70}	json	a few seconds ago		
status	{"temperature":52,"humidity":30}	json	a few seconds ago		