

TSK 187343 PUBLISH DATA_IBM CLOUD

The image shows a dual-screen setup. The left screen displays the IBM Watson IoT Platform dashboard, and the right screen shows a Python script in Visual Studio Code.

IBM Watson IoT Platform Dashboard:

- Device ID:** 43256
- Status:** Connected
- Device Type:** microcontroller_device1
- Class ID:** Device
- Date Added:** Nov 15, 2023

Recent Events:

Event	Value	Format	Last Received
event	["Ph":64,"temperature":40,"turbidity":67,"oxygen"...]	json	a few seconds ago
event	["Ph":83,"temperature":60,"turbidity":88,"oxygen"...]	json	a few seconds ago
event	["Ph":61,"temperature":5,"turbidity":94,"oxygen"...]	json	a few seconds ago
event	["Ph":47,"temperature":76,"turbidity":72,"oxygen"...]	json	a few seconds ago

Visual Studio Code (Python Script):

```
1 import random
2 import sys
3 import time
4 import ibmiotf.application
5 import ibmiotf.device
6
7 # Provide your IBM Watson Device Credentials
8
9 organization = "w9f9v" # replace it with organization ID
10 deviceType = "microcontroller_device1" # replace it with device type
11 deviceId = "43256" # replace with device id
12 authMethod = "token"
13 authToken = "j-njiQ(zrYoc*brfz" # replace with token
14
15
16 def myCommandCallback(cmd):
17     print("Command received: %s" % cmd.data)
18     if cmd.data['command'] == 'MOTOR ON':
19         print("MOTOR ON")
20     elif cmd.data['command'] == 'MOTOR OFF':
21         print("MOTOR OFF")
22
23
24 try:
25     Data publish {"Ph": 36, "temperature": 100, "turbidity": 55, "oxygen": 51} to IBM Watson
26     Data publish {"Ph": 65, "temperature": 10, "turbidity": 84, "oxygen": 91} to IBM Watson
27     Data publish {"Ph": 22, "temperature": 77, "turbidity": 71, "oxygen": 17} to IBM Watson
28     Data publish {"Ph": 61, "temperature": 59, "turbidity": 79, "oxygen": 87} to IBM Watson
29     Data publish {"Ph": 74, "temperature": 85, "turbidity": 79, "oxygen": 71} to IBM Watson
30     Data publish {"Ph": 34, "temperature": 59, "turbidity": 63, "oxygen": 73} to IBM Watson
31     Data publish {"Ph": 17, "temperature": 38, "turbidity": 89, "oxygen": 18} to IBM Watson
32     Data publish {"Ph": 89, "temperature": 53, "turbidity": 41, "oxygen": 50} to IBM Watson
33     Data publish {"Ph": 87, "temperature": 82, "turbidity": 89, "oxygen": 97} to IBM Watson
34     Data publish {"Ph": 80, "temperature": 50, "turbidity": 5, "oxygen": 19} to IBM Watson
35     Data publish {"Ph": 6, "temperature": 96, "turbidity": 27, "oxygen": 51} to IBM Watson
36     Data publish {"Ph": 94, "temperature": 54, "turbidity": 12, "oxygen": 59} to IBM Watson
37 
```