

TSK 187343 PUBLISH DATA IBM CLOUD

The image shows a PyCharm IDE on the left and the IBM Watson IoT Platform web interface on the right. The PyCharm editor displays a Python script named `Test_python_3.7.4.py` that generates random pH, turbidity, and temperature values and publishes them to the IoT platform. The Run console shows the output of the script, listing published data points. The IBM Watson IoT Platform interface shows the 'Event' tab, displaying a list of recent events with their values.

```
42 pH = random.r
43 turbidity = random.randint(1,
44 temperature = random.randint(0
45
46 data = {'pH': pH, 'turbid': tur
47
48
49 # print(data)
50 def myOnPublishCallback():
    while True
```

Run: Test_python_3.7.4

Published pH= 4 Turbidity:242 Temperature:71
Published pH= 12 Turbidity:564 Temperature:54
Published pH= 2 Turbidity:571 Temperature:98
Published pH= 7 Turbidity:677 Temperature:65
Published pH= 8 Turbidity:352 Temperature:13
Published pH= 5 Turbidity:862 Temperature:88
Published pH= 3 Turbidity:834 Temperature:7
Published pH= 9 Turbidity:213 Temperature:89
Published pH= 14 Turbidity:677 Temperature:22
Published pH= 11 Turbidity:292 Temperature:160
Published pH= 2 Turbidity:53 Temperature:21
Published pH= 6 Turbidity:499 Temperature:69
Published pH= 11 Turbidity:238 Temperature:20
Published pH= 2 Turbidity:443 Temperature:43
Published pH= 6 Turbidity:986 Temperature:91
Published pH= 5 Turbidity:593 Temperature:85
Published pH= 14 Turbidity:388 Temperature:86
Published pH= 4 Turbidity:532 Temperature:8
Published pH= 3 Turbidity:56 Temperature:8

IBM Watson IoT Platform

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The recent events listed show the live stream of data that is coming an

Event	Value
demo	{ "pH":12,"turbid":93,"temp":87 }
demo	{ "pH":7,"turbid":873,"temp":94 }
demo	{ "pH":3,"turbid":204,"temp":19 }
demo	{ "pH":11,"turbid":304,"temp":77 }
demo	{ "pH":13,"turbid":16,"temp":50 }

00003 Disconnected Micro_controller_2 Devi

Items per page 50 | 1-3 of 3 items 1 of 1 page