

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 a stream of published data points. The IBM Watson IoT Platform interface shows the 'Event' tab with a table of recent data events.

```
Test_python_3.7.4.py
42 pH = random.r
43 turbidity = random.randint(1,
44 temperature = random.randint(9
45
46 data = {'pH': pH, 'turbid': tur
47
48 # print(data)
49
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:28
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= 1 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)

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