

## PUBLISH DATA TO IBM CLOUD

Team ID	PNT2022TMID22571
Project name	Real Time River Water Quality Monitoring AndControl System

The image shows a Python script running in a terminal window and the IBM Watson IoT Platform dashboard.

**Python Script Output:**

```

Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
== RESTART: C:\Users\ganes\AppData\Local\Programs\Python\Python37\ibmiot.py ==
2022-11-19 11:01:12,144  ibmiotf.device.Client  INFO  Connected successfully: d:ofq2bm:water_monitoring:water_
quality
Published Turbidity = 5 NTU ,pH Level = 7 ,Temperature = 52 °C to IBM Watson
Published Turbidity = 103 NTU ,pH Level = 8 ,Temperature = 9 °C to IBM Watson
Published Turbidity = 22 NTU ,pH Level = 5 ,Temperature = 107 °C to IBM Watson
Published Turbidity = 92 NTU ,pH Level = 4 ,Temperature = 91 °C to IBM Watson
Published Turbidity = 84 NTU ,pH Level = 1 ,Temperature = 1 °C to IBM Watson
Published Turbidity = 15 NTU ,pH Level = 3 ,Temperature = 12 °C to IBM Watson
Published Turbidity = 55 NTU ,pH Level = 3 ,Temperature = 45 °C to IBM Watson
Published Turbidity = 37 NTU ,pH Level = 7 ,Temperature = 92 °C to IBM Watson
Published Turbidity = 104 NTU ,pH Level = 8 ,Temperature = 52 °C to IBM Watson
Published Turbidity = 57 NTU ,pH Level = 8 ,Temperature = 28 °C to IBM Watson
Published Turbidity = 39 NTU ,pH Level = 10 ,Temperature = 83 °C to IBM Watson
Published Turbidity = 44 NTU ,pH Level = 4 ,Temperature = 58 °C to IBM Watson
Published Turbidity = 21 NTU ,pH Level = 3 ,Temperature = 68 °C to IBM Watson
Published Turbidity = 56 NTU ,pH Level = 2 ,Temperature = 93 °C to IBM Watson
Published Turbidity = 2 NTU ,pH Level = 9 ,Temperature = 103 °C to IBM Watson
Published Turbidity = 98 NTU ,pH Level = 5 ,Temperature = 22 °C to IBM Watson
Published Turbidity = 88 NTU ,pH Level = 1 ,Temperature = 7 °C to IBM Watson
Published Turbidity = 57 NTU ,pH Level = 8 ,Temperature = 32 °C to IBM Watson
Published Turbidity = 53 NTU ,pH Level = 3 ,Temperature = 85 °C to IBM Watson
Published Turbidity = 58 NTU ,pH Level = 10 ,Temperature = 47 °C to IBM Watson
Published Turbidity = 44 NTU ,pH Level = 8 ,Temperature = 14 °C to IBM Watson
Published Turbidity = 103 NTU ,pH Level = 5 ,Temperature = 11 °C to IBM Watson
Published Turbidity = 21 NTU ,pH Level = 5 ,Temperature = 21 °C to IBM Watson
Published Turbidity = 90 NTU ,pH Level = 5 ,Temperature = 44 °C to IBM Watson
Published Turbidity = 4 NTU ,pH Level = 1 ,Temperature = 8 °C to IBM Watson
  
```

**IBM Watson IoT Platform Dashboard:**

The dashboard shows a device named "water\_quality" with status "Connected". The device type is "water\_monitoring". The class ID is "Device". The date added is "Nov 17, 2022 9:48 AM".

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
IoTSensor	{"turbidity":103,"pHLevel":1,"temperature":38}	json	a few seconds ago
IoTSensor	{"turbidity":94,"pHLevel":6,"temperature":94}	json	a few seconds ago
IoTSensor	{"turbidity":106,"pHLevel":9,"temperature":6}	json	a few seconds ago
IoTSensor	{"turbidity":74,"pHLevel":7,"temperature":100}	json	a few seconds ago
IoTSensor	{"turbidity":37,"pHLevel":4,"temperature":68}	json	a few seconds ago

1 Simulation running