

PUBLISH A DATA TO THE IBM CLOUD

TSK-186283

The image shows a dual-screen setup. On the left, a Python 3.7.4 Shell terminal window displays a continuous stream of data publishing messages. Each message is a JSON object containing pH, temperature, and humidity values. On the right, a web browser window shows the IBM Watson IoT Platform dashboard. The dashboard is titled 'IBM Watson IoT Platform' and shows a list of devices. A table displays the recent events, which are the same JSON objects being published from the terminal. The dashboard also indicates that 1 simulation is running.

Python 3.7.4 Shell

```
File Edit Shell Debug Options Window Help
Published data successfully: { "pH": 10, "temperature": -6, "humidity": 38}
Published data successfully: { "pH": 2, "temperature": 9, "humidity": 0}
Published data successfully: { "pH": 13, "temperature": 4, "humidity": 0}
Published data successfully: { "pH": 13, "temperature": 7, "humidity": 17}
Published data successfully: { "pH": 14, "temperature": 7, "humidity": 21}
Published data successfully: { "pH": 7, "temperature": -1, "humidity": 92}
Published data successfully: { "pH": 4, "temperature": 8, "humidity": 91}
Published data successfully: { "pH": 3, "temperature": -3, "humidity": 48}
Published data successfully: { "pH": 9, "temperature": 6, "humidity": 6}
Published data successfully: { "pH": 13, "temperature": -10, "humidity": 61}
Published data successfully: { "pH": 1, "temperature": 5, "humidity": 25}
Published data successfully: { "pH": 9, "temperature": 3, "humidity": 28}
Published data successfully: { "pH": 8, "temperature": 9, "humidity": 20}
Published data successfully: { "pH": 12, "temperature": 17, "humidity": 45}
Published data successfully: { "pH": 1, "temperature": -10, "humidity": 83}
Published data successfully: { "pH": 3, "temperature": 18, "humidity": 30}
Published data successfully: { "pH": 12, "temperature": -7, "humidity": 21}
Published data successfully: { "pH": 9, "temperature": 1, "humidity": 41}
Published data successfully: { "pH": 14, "temperature": 19, "humidity": 34}
Published data successfully: { "pH": 8, "temperature": 15, "humidity": 94}
Published data successfully: { "pH": 0, "temperature": 12, "humidity": 29}
Published data successfully: { "pH": 12, "temperature": 25, "humidity": 15}
Published data successfully: { "pH": 11, "temperature": 14, "humidity": 70}
Published data successfully: { "pH": 0, "temperature": 4, "humidity": 95}
Published data successfully: { "pH": 8, "temperature": 4, "humidity": 46}
Published data successfully: { "pH": 13, "temperature": 12, "humidity": 58}
Published data successfully: { "pH": 3, "temperature": 22, "humidity": 88}
Published data successfully: { "pH": 1, "temperature": -4, "humidity": 72}
Published data successfully: { "pH": 4, "temperature": 19, "humidity": 33}
Published data successfully: { "pH": 7, "temperature": -7, "humidity": 38}
Published data successfully: { "pH": 1, "temperature": -1, "humidity": 59}
Published data successfully: { "pH": 6, "temperature": -5, "humidity": 22}
Published data successfully: { "pH": 1, "temperature": -1, "humidity": 3}
Published data successfully: { "pH": 8, "temperature": -6, "humidity": 9}
Published data successfully: { "pH": 6, "temperature": 21, "humidity": 9}
Published data successfully: { "pH": 12, "temperature": 12, "humidity": 86}
Published data successfully: { "pH": 3, "temperature": 9, "humidity": 3}
Published data successfully: { "pH": 11, "temperature": 12, "humidity": 94}
Published data successfully: { "pH": 11, "temperature": 17, "humidity": 84}
Published data successfully: { "pH": 10, "temperature": 18, "humidity": 76}
Published data successfully: { "pH": 10, "temperature": -7, "humidity": 91}
Published data successfully: { "pH": 8, "temperature": -1, "humidity": 19}
Published data successfully: { "pH": 12, "temperature": 17, "humidity": 15}
Published data successfully: { "pH": 11, "temperature": 8, "humidity": 12}
Published data successfully: { "pH": 4, "temperature": 21, "humidity": 3}
Published data successfully: { "pH": 2, "temperature": 11, "humidity": 9}
```

IBM Watson IoT Platform

vtccyy.internetofthings.ibmcloud.com/dashboard/devices/browse

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Browse Action Device Types Interfaces Add Device

NodeMcu Disconnected NodeMCU Device

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

Event	Value
status	{ "pH": 11, "temperature": 15, "humidity": 29 }
status	{ "pH": 8, "temperature": -4, "humidity": 90 }
status	{ "pH": 13, "temperature": -9, "humidity": 79 }
status	{ "pH": 6, "temperature": -7, "humidity": 53 }
status	{ "pH": 3, "temperature": 8, "humidity": 31 }

1 Simulation running