

## PUBLISH DATA TO THE IBM CLOUD

Team ID	PNT2022TMID12734
Project Name	Real-Time River Water Quality Monitoring And Control System

## PUBLISH DATA TO THE IBM CLOUD

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
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\ARUN PRASAD V\OneDrive\Desktop\Desktop\ibm\RivWatQuality.py
2022-11-11 11:53:11.376 ibmiotf.device.Client INFO Connected successfully: d:rj0qwb:RivWatQuality:RivWatQuality
{'Ph': 8, 'Turb': 3}
pH Value of Water 8
Turb Value of Water 3
{'Ph': 2, 'Turb': 0}
pH Value of Water 2
Turb Value of Water 0
{'Ph': 12, 'Turb': 10}
pH Value of Water 12
Turb Value of Water 10
{'Ph': 8, 'Turb': 9}
pH Value of Water 8
Turb Value of Water 9
{'Ph': 5, 'Turb': 0}
pH Value of Water 5
Turb Value of Water 0
{'Ph': 6, 'Turb': 5}
pH Value of Water 6
Turb Value of Water 5
{'Ph': 10, 'Turb': 4}
pH Value of Water 10
Turb Value of Water 4
{'Ph': 5, 'Turb': 6}
pH Value of Water 5
Turb Value of Water 6
{'Ph': 13, 'Turb': 4}
pH Value of Water 13
Turb Value of Water 4
```

The screenshot shows the 'Browse Devices' page in the AWS IoT console. The top navigation bar includes links for 'Browse', 'Action', 'Device Types', and 'Interfaces'. An 'Add Device' button is located in the top right corner. The main heading is 'Browse Devices', followed by two tabs: 'All Devices' (selected) and 'Diagnose'. A paragraph explains that the table below summarizes all added devices and can be filtered or searched. Below this is a search bar labeled 'Search by Device ID'. To the right of the search bar are controls for 'Device Simulator' (a toggle switch) and icons for filters and sorting. The table has seven columns: 'Device ID', 'Status', 'Device Type', 'Class ID', 'Date Added', and 'Descriptive Location'. One device is listed: 'RivWatQuality' with status 'Connected', type 'RivWatQuality', class ID 'Device', and date '7 Nov 2022 19:47'. At the bottom, there's a pagination control showing 'Items per page 50' and '1–1 of 1 item'.

## Browse Devices

[All Devices](#) [Diagnose](#)

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator ☒

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> RivWatQuality	Connected	RivWatQuality	Device	7 Nov 2022 19:47	

Items per page 50 | 1–1 of 1 item

1 of 1 page < 1 >



← Back

# Device Drilldown - RivWatQuality

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

Event	Value	Format	Last Received
IoTSensor	{"Ph":6,"Turb":4}	json	a few seconds ago
IoTSensor	{"Ph":9,"Turb":9}	json	a few seconds ago
IoTSensor	{"Ph":11,"Turb":9}	json	a few seconds ago
IoTSensor	{"Ph":8,"Turb":2}	json	a few seconds ago

## State

This table shows a list of data points that are reported by this device.

⚡ Showing Raw Data | No Interfaces Available

Property	Value	Type	Event	Last Received
Ph	6	Number	IoTSensor	0 Simulations running
Turb	4	Number	IoTSensor	