

PUBLISH DATA TO IBM CLOUD

DATE	22 Oct, 2022
TEAM ID	PNT2022MID08171
PROJECT NAME	REAL-TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM
MAXIMUM MARKS	

The python code random values are published in IBM CLOUD IOT Device

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar for 'Device ID' is present. The main content area shows a table of devices with columns: Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. A device with ID 12345 is highlighted, showing a status of 'Connected' and a device type of 'raspberrypi'. Below the table, the 'Recent Events' tab is selected, displaying a table of events with columns: Event, Value, Format, and Last Received. The event data shows 'IoTSensor' with a JSON value, 'json' format, and 'a few seconds ago' received time. The bottom status bar indicates '1 Simulation running'.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Connected	raspberrypi	Device	Oct 19, 2022 6:52 PM	

Event	Value	Format	Last Received
IoTSensor	{"temp":7,"ph":4.756331352914019,"turb":1.0...	json	a few seconds ago

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The screenshot displays the IBM Watson IoT Platform interface. The main dashboard shows a list of devices, with one device (ID: 12345) selected. The 'Event Payload' window is open, displaying the following data:

Event Name	IoT Sensor
Time Received	Nov 8, 2022 4:47 PM

```
1 {  
2   "temp": 7,  
3   "ph": 4.756331352914019,  
4   "turb": 1.0128775979573463,  
5   "str1": "Not safe to drink"  
6 }
```

The background dashboard shows a table with the following data:

Device ID	Status
12345	Connect

The dashboard also includes a 'Device Simulator' section and a 'Descriptive Location' section. The bottom status bar indicates '1 Simulation running' and shows the current weather as '30°C Cloudy'.