

Pre-requisite

IOT Watson Platform & IOT devices

Date	30 October 2022
Team ID	PNT2022TMID54363
Project Name	Real-time River water quality monitoring and control system
Maximum Marks	2 Marks

IOT Watson Platform:

- Integrate Continuous Testing Across All Development Stages in the Process with Watson IoT.
- Improve Product Quality through Continuous Testing to Find Issues at the Early Stage.
- Optimise Performance. Get Started for Free. Insightful Solutions. Reduce Costs & Hurdles.

IOT Watson Platform and IOT device with bluemix simulator:

The screenshot shows the IBM Watson IoT Platform interface. The main heading is "Browse Devices". Below it, there are tabs for "All Devices" and "Diagnose". A message states: "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." Below this is a search bar labeled "Search by Device ID". To the right of the search bar is a "Device Simulator" toggle switch, which is currently turned on. Below the search bar is a table with the following columns: Device ID, Status, Device Type, Class ID, and Date Added. The table contains one row with the following data: Device ID: 311212, Status: Disconnected, Device Type: ESP32, Class ID: Device, Date Added: Nov 4, 2022 10:25 PM. Below the table, there is a pagination bar showing "Items per page 50" and "1-1 of 1 item". At the bottom of the dashboard, there is a status bar that says "0 Simulations running".

Device ID	Status	Device Type	Class ID	Date Added
311212	Disconnected	ESP32	Device	Nov 4, 2022 10:25 PM

Device simulation is functional:

Browse

Action

Device Types

Interfaces

Add Device

Identity

Device Information

Recent Events

State

Logs

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

Event	Value	Format	Last Received
event_1	{"distance":7,"Alert":"Distance less than 10"}	json	a few seconds ago
event_1	{"distance":9,"Alert":"Distance less than 10"}	json	a few seconds ago
event_1	{"distance":8,"Alert":"Distance less than 10"}	json	a few seconds ago
event_1	{"distance":9,"Alert":"Distance less than 10"}	json	a few seconds ago