

## PUBLISH THE DATA TO THE IBM CLOUD

DATE	14- NOVEMBER-2022
TEAM ID	PNT2022TMID42239
PROJECT NAME	SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY

### REQUIREMENT:

To publish the data to IBM CLOUD from the python script has been showed below :

(we can see connected symbol which I have configured through my python code)

The screenshot displays the IBM Watson IoT Platform interface. The main heading is "Browse Devices". Below it, there are tabs for "All Devices" and "Diagnose". A descriptive text 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, there is a "Device Simulator" toggle switch. The table below lists the devices:

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Connected	testdevicetype	Device	Nov 5, 2022 3:15 PM	
dhasarathi	Disconnected	ESP32	Device	Nov 6, 2022 10:41 PM	

At the bottom of the table, it says "Items per page 50 | 1-2 of 2 items". On the right side of the table, it says "1 of 1 page". At the bottom right, there is a status bar that says "2 Simulations running".

## DATA COLLECTED THROUGH THE IBM CLOUD :

The screenshot displays the IBM Watson IoT Platform interface. A modal window titled "Event Payload" is open, showing details for Event Name 12345, received on Nov 14, 2022 at 9:57 AM. The payload is a JSON object with the following structure:

```
1 {
2   "temperature": 27.99,
3   "TemperatureRecommendation": "Temperature is ideal",
4   "humidity": 89,
5   "WeatherCondition": "Mist",
6   "SpeedRecommendation": "30KM/HR and switch on the headlight",
7   "DescriptionOfWeather": "mist",
8   "visibility": 4000,
9   "RecommendationForVisibility": "visibility range is ideal for vehicles",
10  "WindSpeed": 2.06
11 }
```

In the background, a table lists recent events for device 12345, showing values like ["temperature": 27.99] and ["CAUTION": "CR..."]. The status "2 Simulations running" is visible at the bottom.

This screenshot shows the same IBM Watson IoT Platform interface, but with a different Event Payload for device 12345, received on Nov 14, 2022 at 9:58 AM. The payload is a JSON object with the following structure:

```
1 {
2   "CAUTION": "SCHOOL REGION MAINTAIN SPEED LIMIT BELOW 40KM/HR"
3 }
```

The background table and simulation status remain the same as in the previous screenshot.