

SPRINT 2

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| Team ID | PNT2022TMID40898 |
| Project Name | IoT Based Smart Crop Protection System For Agriculture |

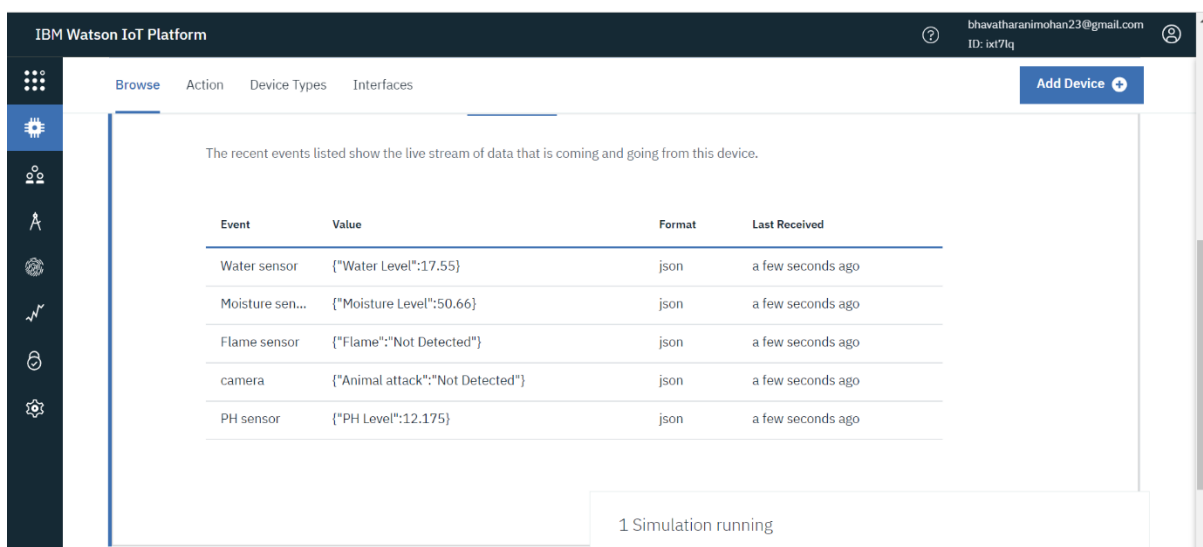
Description:

Receiving the data from IOT devices (python script) to IBM Watson IOT platform, hence devices are created and credentials are provided in python script and Output is viewed.

Device Credentials:

Organization ID: ixt7lq
Device Type: abcd
Device ID: 12345
Authentication Method: token
Authentication Token: 12345678

Output: IBM IOT Platform:



The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes the platform name, a user profile icon, and the email address bhavatharanimohan23@gmail.com with ID: ixt7lq. The main content area is titled 'Browse' and shows a table of recent events. The table has four columns: Event, Value, Format, and Last Received. The events listed are: Water sensor, Moisture sensor, Flame sensor, camera, and PH sensor. Each event has a corresponding JSON value and a timestamp indicating it was received 'a few seconds ago'. A status bar at the bottom indicates '1 Simulation running'.

| Event | Value | Format | Last Received |
|-----------------|----------------------------------|--------|-------------------|
| Water sensor | {"Water Level":17.55} | json | a few seconds ago |
| Moisture sen... | {"Moisture Level":50.66} | json | a few seconds ago |
| Flame sensor | {"Flame":"Not Detected"} | json | a few seconds ago |
| camera | {"Animal attack":"Not Detected"} | json | a few seconds ago |
| PH sensor | {"PH Level":12.175} | json | a few seconds ago |

1 Simulation running

IBM Watson IoT Platform

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bhavatharanimohan23@gmail.com

ID: ixt71q

Browse

Action

Device Types

Interfaces

Add Device

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

| Event | Value | Format | Last Received |
|-----------------|--|--------|-------------------|
| PH sensor | {"PH Level":12.442} | json | a few seconds ago |
| Temperature ... | {"Temperature":62.28} | json | a few seconds ago |
| Alert2 | {"alert2":"Fertilizer PH level(12.175) is not safe,..."} | json | a few seconds ago |
| Alert1 | {"alert1":"Temperature(66.38) is high, sprinklerle..."} | json | a few seconds ago |
| Water sensor | {"Water Level":17.55} | json | a few seconds ago |

1 Simulation running

IBM Watson IoT Platform

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Browse

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

| Event | Value | Format | Last Received |
|-----------------|---|--------|-------------------|
| Temperature ... | {"Temperature":66.38} | json | a few seconds ago |
| Alert6 | {"alert6":"Water level(24.87) is high, so motor is ..." | json | a few seconds ago |
| Alert4 | {"alert4":"Flame is detected crops are in danger,..."} | json | a few seconds ago |
| Alert2 | {"alert2":"Fertilizer PH level(4.87) is not safe,use..."} | json | a few seconds ago |
| Alert1 | {"alert1":"Temperature(63.72) is high, sprinklerle..."} | json | a few seconds ago |

1 Simulation running