

Sprint-2

IBM Watson IoT platform

Date	31 October 2022
Team ID	PNT2022TMID37069
Project Name	IOT BASED 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: zf801i
Device Type: Bharathi
Device ID: bharathi123
Authentication Method: use-token-auth
Authentication Token: 123456789

Output: IBM IOT Platform

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various functions. The main content area shows details for a device named 'bharathi123', which is 'Connected'. Below this, a tabbed interface shows 'Recent Events', listing a stream of data from the device. The events table includes columns for Event, Value, Format, and Last Received.

Event	Value	Format	Last Received
Alert2	{"alert2":"Fertilizer PH level(13.611) is not safe,..."}	json	a few seconds ago
Alert1	{"alert1":"Temperature(78.4) is high, sprinklerler..."}	json	a few seconds ago
Water sensor	{"Water Level":23.03}	json	a few seconds ago
Moisture sen...	{"Moisture Level":41.63}	json	a few seconds ago
Flame sensor	{"Flame":"Not Detected"}	json	a few seconds ago

IBM Watson IoT Platform

212619106001@smartinternz.com
ID: zf801i

Browse

Action

Device Types

Interfaces

Add Device +

▼

■

bharathi123

Connected

bharathi

Device

Oct 26, 2022 12:56 AM

→ ...

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
Water sensor	{"Water Level":12.73}	json	a few seconds ago
Moisture sen...	{"Moisture Level":11.14}	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":3.71}	json	a few seconds ago

IBM Watson IoT Platform

212619106001@smartinternz.com
ID: zf801i

Browse

Action

Device Types

Interfaces

Add Device +

▼

■

bharathi123

Connected

bharathi

Device

Oct 26, 2022 12:56 AM

→ ...

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
Alert4	{"alert4":"Flame is detected crops are in danger,..."}	json	a few seconds ago
Alert3	{"alert3":"Animal attack on crops detected"}	json	a few seconds ago
Alert2	{"alert2":"Fertilizer PH level(1.319) is not safe,us..."}	json	a few seconds ago
Water sensor	{"Water Level":4.9}	json	a few seconds ago
Moisture sen...	{"Moisture Level":5.4}	json	a few seconds ago