

SPRINT-1

Team ID	PNT2022TMID45633
Project Name	IOT Based Small Crop Protection System For Agriculture
Maximum Marks	20 Marks

IBM Cloud

Search resources and products...

Resource list /

Internet of Things Platform-gc

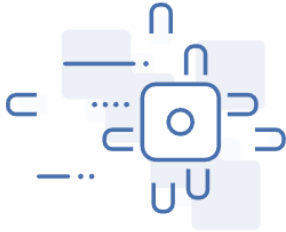
Active Add tags

Details Actions...

Manage

Plan

Connections



Let's get started with IBM Watson IoT Platform

Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

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Ready for the next level?

IBM Watson IoT Platform Journey

☒ Lite

The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.

- Free

☐ Non-Production

The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.

- Starts at \$500 per month

☐ Production

The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.

- Includes IBM Service & Support

Type here to search

02:50 PM 18-11-2022

DEVICE CREDENTIALS INFORMATION :

The screenshot displays the IBM Watson IoT Platform dashboard. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar labeled 'Search by Device ID' is present. The main content area shows a table of devices. The device 'weather_device_id' is selected, and its details are shown in a modal window. The details include the Device ID, Device Type, Date Added, Added By, and Connection Status. A '1 Simulation running' notification is visible at the bottom right.

IBM Watson IoT Platform

812819106018@smartinternz.com
ID: lmb8b2

Browse Action Device Types Interfaces

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
Distance	Disconnected	assignment	Device	Nov 11, 2022 7:02 PM	
weather_device_id	Disconnected	weather_device	Device	Nov 11, 2022 6:53 PM	

Identity Device Information Recent Events State Logs

Device ID: weather_device_id
Device Type: weather_device
Date Added: Nov 11, 2022 6:53 PM
Added By: 812819106018@smartinternz.com
Connection Status: Disconnected

Items per page 50 | 1-2 of 2 items

1 of 1 page

1 Simulation running

Type here to search

02:53 PM
18-11-2022

The screenshot displays the IBM Watson IoT Platform interface. On the left, a sidebar contains navigation icons for various functions. The main header area shows the platform name and user information. Below this, a navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar labeled 'Search by Device ID' is present. The central area features a table of devices. One device, 'weather_device_id', is selected and highlighted in blue. A modal window is open on the right, showing the configuration for this device. The modal has a header with the device name and a dropdown menu. Below this, there's a section for 'Events' with a 'Send' button. The 'Payload' section allows overriding field values in the event payload, showing a JSON structure with fields for 'temperature', 'humidity', and 'soilmoisture', each set to a random value between 0 and 100. At the bottom of the modal, there are 'Cancel' and 'Save' buttons.

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Browse Action Device Types Interfaces

Search by Device ID

Device ID	Status	Device Type	Class ID
Distance	Disconnected	assignment	Device
weather_device_id	Disconnected	weather_device	Device

Identity Device Information Recent Events State Logs

Device ID weather_device_id

Device Type weather_device

Date Added Nov 11, 2022 6:53 PM

Added By 812819106018@smartinternz.com

Connection Status Disconnected

Items per page 50 | 1-2 of 2 items

weather_device weather_device_id

Events 1

Event type name Mainproject Frequency 20 x Every Minute Send

Payload

You can override field values in the event payload that is sent by this device. Specify the override values in the editor window.

```

0 {
1   "temperature": random(0, 100) ,
2   "humidity": random(0, 100),
3   "soilmoisture": random(0,100)
4 }
5

```

What functions can I apply?

Cancel Save

OUTPUT :

The screenshot displays the IBM Watson IoT Platform dashboard. The browser's address bar shows the URL: `lmb8b2.internetofthings.ibmcloud.com/dashboard/devices/browse`. The dashboard header includes the IBM Watson IoT Platform logo and a user profile for `812819106018@smartinternz.com` with ID `lmb8b2`. The main navigation bar has tabs for `Browse`, `Action`, `Device Types`, and `Interfaces`, along with an `Add Device` button.

The device list shows two devices:

- `Distance` (Disconnected, assignment, Device, Nov 11, 2022 7:02 PM)
- `weather_device_id` (Disconnected, weather_device, Device, Nov 11, 2022 6:53 PM)

The `weather_device_id` device is selected, and the `Recent Events` tab is active. A message states: "The recent events listed show the live stream of data that is coming and going from this device."

Event	Value	Format	Last Received
Mainproject	<code>{"temperature":4,"humidity":95,"soilmoisture":39}</code>	json	a few seconds ago
Mainproject	<code>{"temperature":3,"humidity":61,"soilmoisture":21}</code>	json	a few seconds ago
Mainproject	<code>{"temperature":28,"humidity":69,"soilmoisture":...</code>	json	a few seconds ago
Mainproject	<code>{"temperature":99,"humidity":6,"soilmoisture":38}</code>	json	a few seconds ago
Mainproject	<code>{"temperature":95,"humidity":65,"soilmoisture":...</code>	json	a few seconds ago

A notification at the bottom right indicates "1 Simulation running". The Windows taskbar at the bottom shows the time as 02:54 PM on 18-11-2022.