

# IBM Cloud Services

Team ID	PNT2022TMID30750
Project Name	Project - SmartFarmer - IoT Enabled Smart Farming Application

- Created The IBM Watson IOT Platform and a Device

The screenshot shows the IBM Cloud web interface for the Internet of Things Platform service. The page is titled "Internet of Things Platform" and includes a description: "This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data." The "Create" tab is active, showing options to "Select a location" (Frankfurt (eu-de)) and "Select a pricing plan" (Lite). A table lists the available plans:

Plan	Features	Pricing
Lite	Includes up to 500 registered devices, and a maximum of 200 MB of each data metric Maximum of 500 registered devices Maximum of 500 application bindings	Free

On the right, a "Summary" panel shows details for the "Internet of Things Platform" service, including location (Frankfurt), plan (Lite), service name, and resource group. A warning message states: "Existing Lite plan instance. You can have only 1 Lite plan instance of this service per resource group. Delete your current Lite plan instance in Default resource group to create a new one, or view the existing instance." At the bottom, there is a checkbox for "I have read and agree to the following license agreements:" with a link to "Terms".

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cloud.ibm.com/services/iotf-service/crm%3Av1%3Abluemix%3Apublic%3Aaio%3Aaue-de%3Aa%2F41c55b2be0134c20b6c28432113ea3eb%3A9ab871e5-79...

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Resource list / Internet of Things Platform-w1 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.

Launch Docs

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
- 200 MB data-transfer limit
- 800 application bindings limit

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
- Capacity limit based on device type
- Optional Analytics Service and Blockchain

Production

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

- Includes IBM Service & Support
- Pricing based on number of devices per device type

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IBM Watson IoT Platform Sign in

Buildings

Collect data from and make value from it

Learn More

Cookie Preferences

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IBM Watson IoT Platform

Browse Action Device Types Interfaces

Add Device +

## Browse Devices

All Devices Diagnose

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.

Search by Device ID

Device Simulator ☒

Device ID	Status	Device Type	Class ID	Date Added
1234	Disconnected	abcd	Device	Nov 11, 2022 10:00 AM

Items per page 50 | 1-1 of 1 item

1 Simulation running

IBM Watson IoT Platform

Browse Action Device Types Interfaces

## Browse Devices

All Devices Diagnose

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.

Search by Device ID

Device ID	Status	Device Type
1234	Disconnected	abcd

Identity Device Information Recent Events State

Device Type: abcd

Events 1

New event type +

Event type name event\_1 Send

Schedule

1 Every Minute

Payload

Specify the event payload in the editor window or by uploading a CSV file.

```
0 {
1   "randomNumber": random(0, 100)
2   "temp": random(90, 110)
3   "hum": random(60, 100)
4 }
5
```

Upload a CSV file

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tuwf7p.internetofthings.ibmcloud.com/dashboard/devices/browse

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IBM Watson IoT Platformdp7158845@gmail.comID: tuwf7p

BrowseActionDevice TypesInterfacesAdd Device

1234DisconnectedabcdDeviceNov 11, 2022 10:00 AM

IdentityDevice InformationRecent EventsStateLogs

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	{"randomNumber":51,"temp":97,"hum":60}	json	a few seconds ago
event_1	{"randomNumber":68,"temp":101,"hum":94}	json	a minute ago
event_1	{"randomNumber":79,"temp":95,"hum":66}	json	2 minutes ago
event_1	{"randomNumber":66,"temp":107,"hum":84}	json	3 minutes ago
event_1	{"randomNumber":67,"temp":109,"hum":67}	json	3 minutes ago

1 Simulation running

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