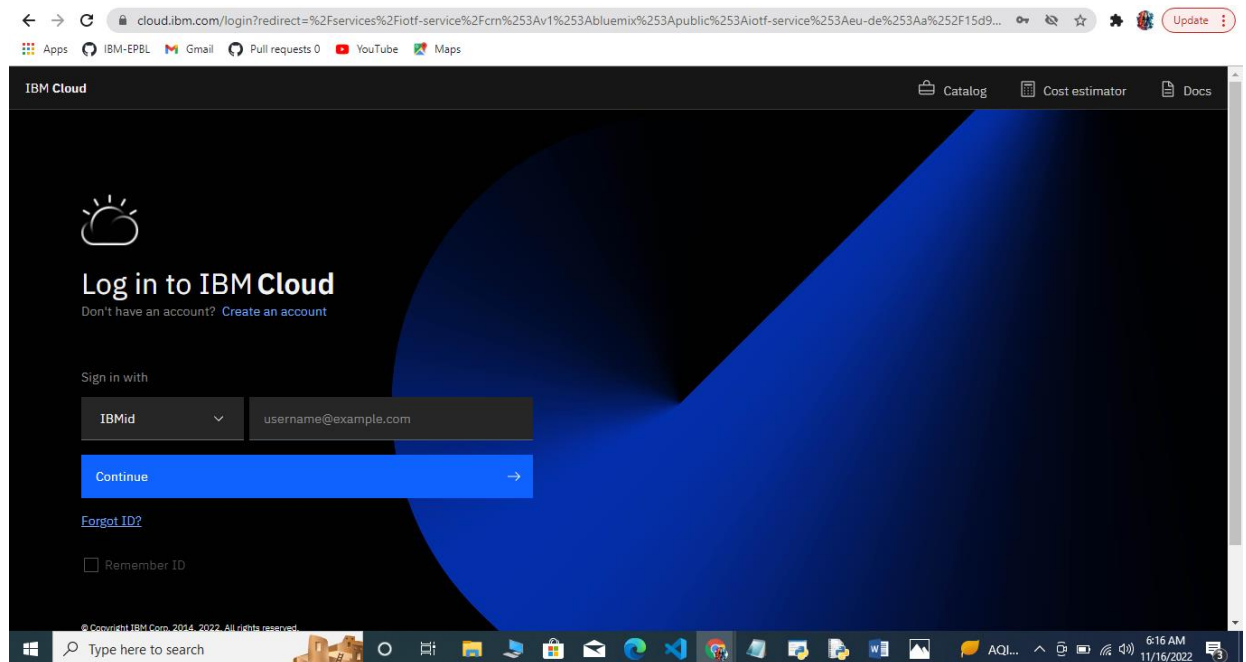


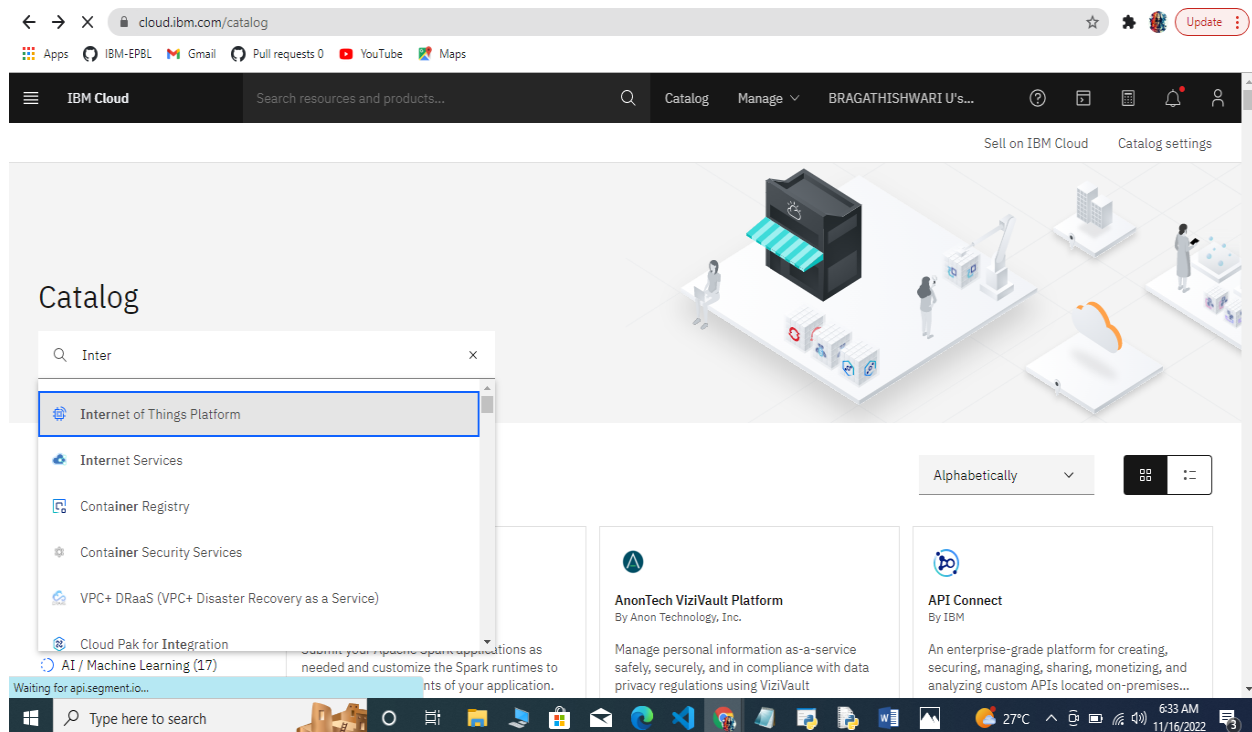
## Create The IBM WATSON IoT Platform and A Device

Team ID	PNT2022TMID46404
Project Name	Smart Farmer - IOT Enabled Smart Farming Application

**Step1:** log in your registered id



**Step 2:** click catalog where you find the services and internet of thing you can select and make location as London



**Step 3:** click create and the launch tab get open, then click launch

The image shows two screenshots of the IBM Cloud interface. The top screenshot is the service catalog page for the 'Internet of Things Platform'. It includes a sidebar with service details (Type: Service, Provider: IBM, Last updated: 08/15/2022, Category: Internet of Things, Compliance: IAM-enabled, Related links: Docs, Terms). The main content area has tabs for 'Create' and 'About'. Under 'Create', there are sections for 'Select a location', 'Select a pricing plan', and a table with columns 'Plan', 'Features', and 'Pricing'. A 'Summary' sidebar on the right contains a 'Create' button and a checkbox for license agreements. The bottom screenshot shows the 'Internet of Things Platform-d0' management page. It has a 'Manage' sidebar with 'Plan' and 'Connections' options. The main area features a 'Launch' button and a 'Let's get started with IBM Watson IoT Platform' section. Below this is a 'Ready for the next level?' section with a progress bar showing 'Lite' (checked), 'Non-Production', and 'Production' stages.

cloud.ibm.com/catalog/services/internet-of-things-platform

Internet of Things Platform

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.

Create About

Type Service

Provider IBM

Last updated 08/15/2022

Category Internet of Things

Compliance IAM-enabled

Related links Docs Terms

Select a location

Select a pricing plan

Plan	Features	Pricing

I have read and agree to the following license agreements: Terms

Create

Add to estimate

cloud.ibm.com/services/iotf-service/crm%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2F15d9341c81bc4213871373c071d22cf3%3A216e2f67-...

Internet of Things Platform-d0 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.

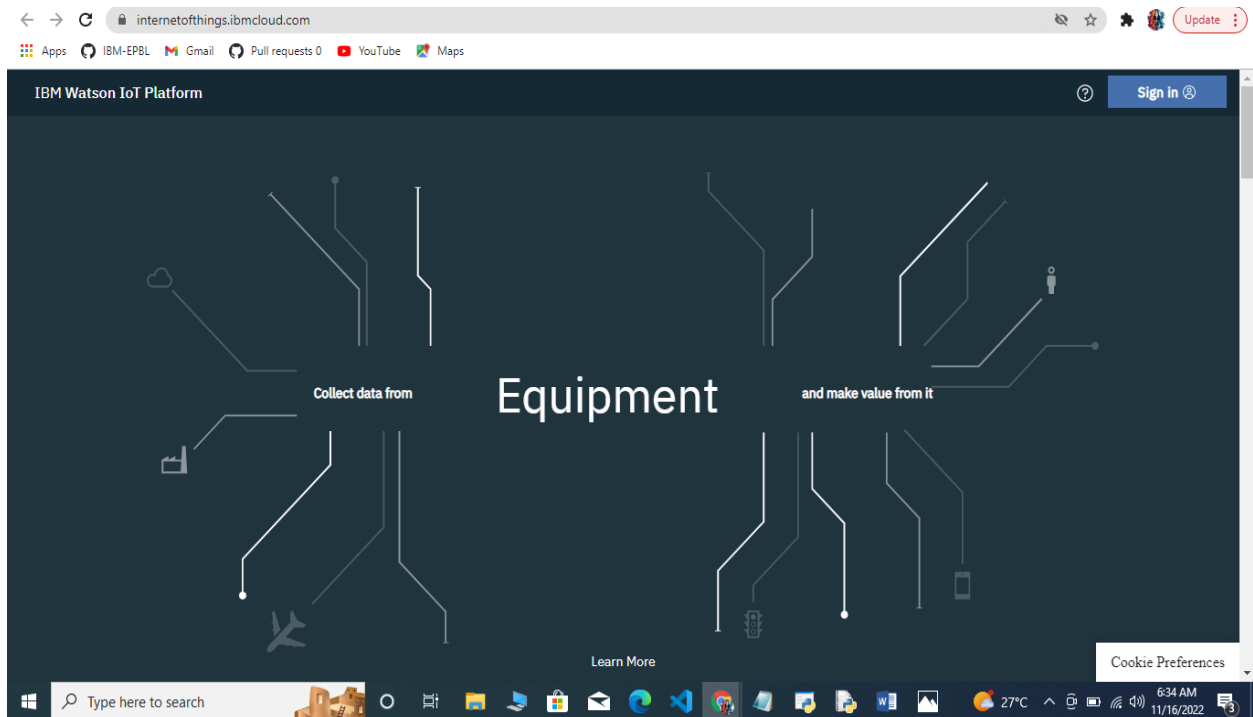
Launch Docs

Ready for the next level?

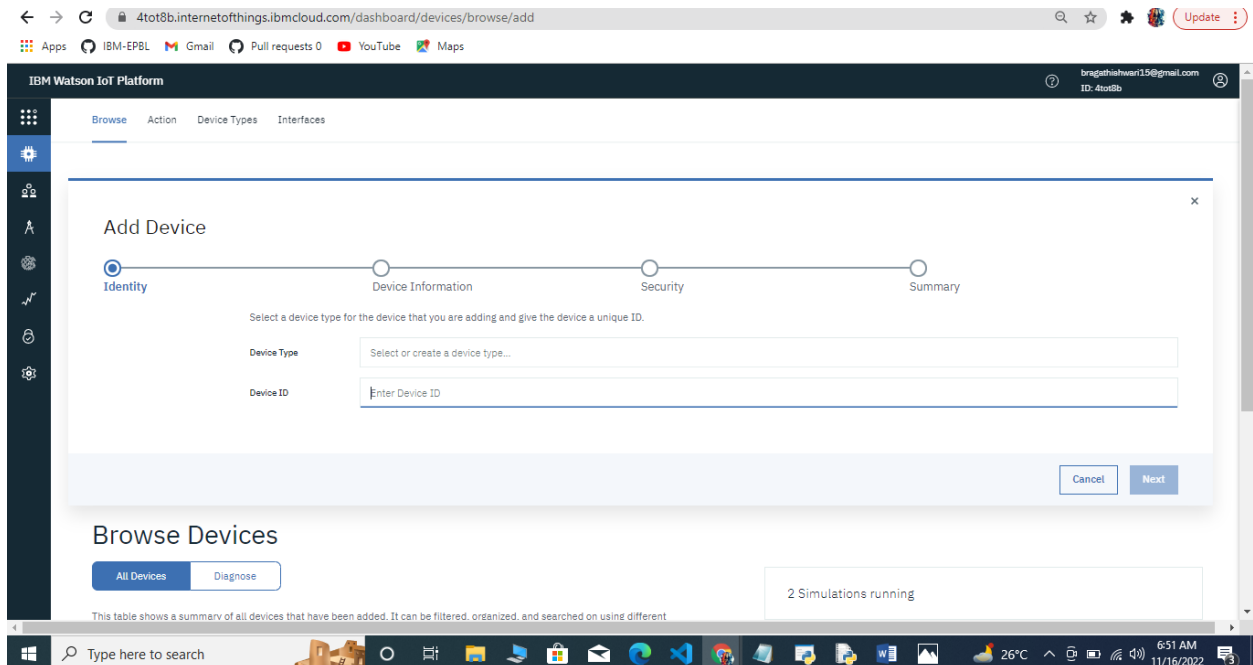
IBM Watson IoT Platform Journey

Lite Non-Production Production

**Step 4:** It redirect you to IBM WATSON platform where you need to click sign in.



**Step 5:** where you find this tab which is used to add device, app, member ,usage , security can be worked.



**Step 6:** after clicking create a new device / add device you can choose an device type and device id and complete the following information to create a device

The screenshot shows the 'Add Type' page in the IBM Watson IoT Platform. The browser address bar displays '4tot8b.internetofthings.ibmcloud.com/dashboard/devices/types/add'. The page header includes the IBM Watson IoT Platform logo and user information: 'bragathishwan15@gmail.com' and 'ID: 4tot8b'. The navigation bar shows 'Browse', 'Action', 'Device Types', and 'Interfaces'. The 'Add Type' page has a progress bar with two steps: 'Identity' (selected) and 'Device Information'. Below the progress bar, a text box explains: 'Device types group devices that have similar characteristics, such as model number, firmware version, or location. Give the device type a unique name and a description that identifies characteristics that are shared by devices of this type.' The form includes a 'Type' selector with 'Device' and 'Gateway' options, a 'Name' field with the value 'Soil\_Monitoring', and a 'Description' field. A status bar at the bottom indicates '1 Simulation running'.

IBM Watson IoT Platform

bragathishwan15@gmail.com  
ID: 4tot8b

Browse Action **Device Types** Interfaces

## Add Type

Identity Device Information

Device types group devices that have similar characteristics, such as model number, firmware version, or location. Give the device type a unique name and a description that identifies characteristics that are shared by devices of this type.

Type  Or

Name

The device type name is used to identify the device type uniquely and uses a restricted set of characters to make it suitable for API use.

Description

1 Simulation running

The screenshot shows the 'Add Type' page in the IBM Watson IoT Platform, Step 2: Device Information. The browser address bar displays '4tot8b.internetofthings.ibmcloud.com/dashboard/devices/types/add'. The page header includes the IBM Watson IoT Platform logo and user information: 'bragathishwan15@gmail.com' and 'ID: 4tot8b'. The navigation bar shows 'Browse', 'Action', 'Device Types', and 'Interfaces'. The 'Add Type' page has a progress bar with two steps: 'Identity' (selected) and 'Device Information' (active). Below the progress bar, a text box explains: 'These attributes will be used as a template for new devices that are assigned this device type'. There is an 'Edit Metadata' button. The form includes fields for 'Serial Number', 'Model', 'Description', 'Hardware Version', 'Manufacturer', 'Device Class', 'Firmware Version', and 'Descriptive Location'. A status bar at the bottom indicates '1 Simulation running'.

IBM Watson IoT Platform

bragathishwan15@gmail.com  
ID: 4tot8b

Browse Action **Device Types** Interfaces

## Add Type

Identity Device Information

These attributes will be used as a template for new devices that are assigned this device type

[Edit Metadata](#)

Serial Number	<input type="text" value="Enter Serial Number"/>	Manufacturer	<input type="text" value="Enter Manufacturer"/>
Model	<input type="text" value="Enter Model"/>	Device Class	<input type="text" value="Enter Device Class"/>
Description	<input type="text" value="Enter Description"/>	Firmware Version	<input type="text" value="Enter Firmware Version"/>
Hardware Version	<input type="text" value="Enter Hardware Version"/>	Descriptive Location	<input type="text" value="Enter Descriptive Location"/>

1 Simulation running

← → ↻ 4tot8b.internetofthings.ibmcloud.com/dashboard/devices/drilldown/Weather\_device/Weather\_today?returnTo=/devices/browse ☆ ⚙️ 📄 🌐 Update

Apps IBM-EPBL Gmail Pull requests 0 YouTube Maps

IBM Watson IoT Platform ? bragathishwari15@gmail.com ID: 4tot8b

← Back

## Device Drilldown - Weather\_today

Device Credentials

- Connection Information
- Recent Events
- State
- Device Information
- Metadata
- Diagnostics
- Connection Logs
- Device Actions

### Device Credentials

You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details.

Organization ID	4tot8b
Device Type	Weather_device
Device ID	Weather_today
Authentication Method	use-token-auth
Authentication Token	wUi#8?wUCjkuvoZHTX

⚠️ Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.

Type here to search

Satis... 11:31 PM 11/14/2022

← → ↻ 4tot8b.internetofthings.ibmcloud.com/dashboard/devices/drilldown/Soil\_Monitoring/Soil\_moisture?returnTo=/devices/browse 🔍 ☆ ⚙️ 📄 🌐 Update

Apps IBM-EPBL Gmail Pull requests 0 YouTube Maps

IBM Watson IoT Platform ? bragathishwari15@gmail.com ID: 4tot8b

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## Device Drilldown - Soil\_moisture

Device Credentials

- Connection Information
- Recent Events
- State
- Device Information
- Metadata
- Diagnostics
- Connection Logs
- Device Actions

### Device Credentials

You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details.

Organization ID	4tot8b
Device Type	Soil_Monitoring
Device ID	Soil_moisture
Authentication Method	use-token-auth
Authentication Token	OqJvZAEkL_G-@cioeW

⚠️ Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.

[Find out how to add these credentials to your device](#)

### Connection Information

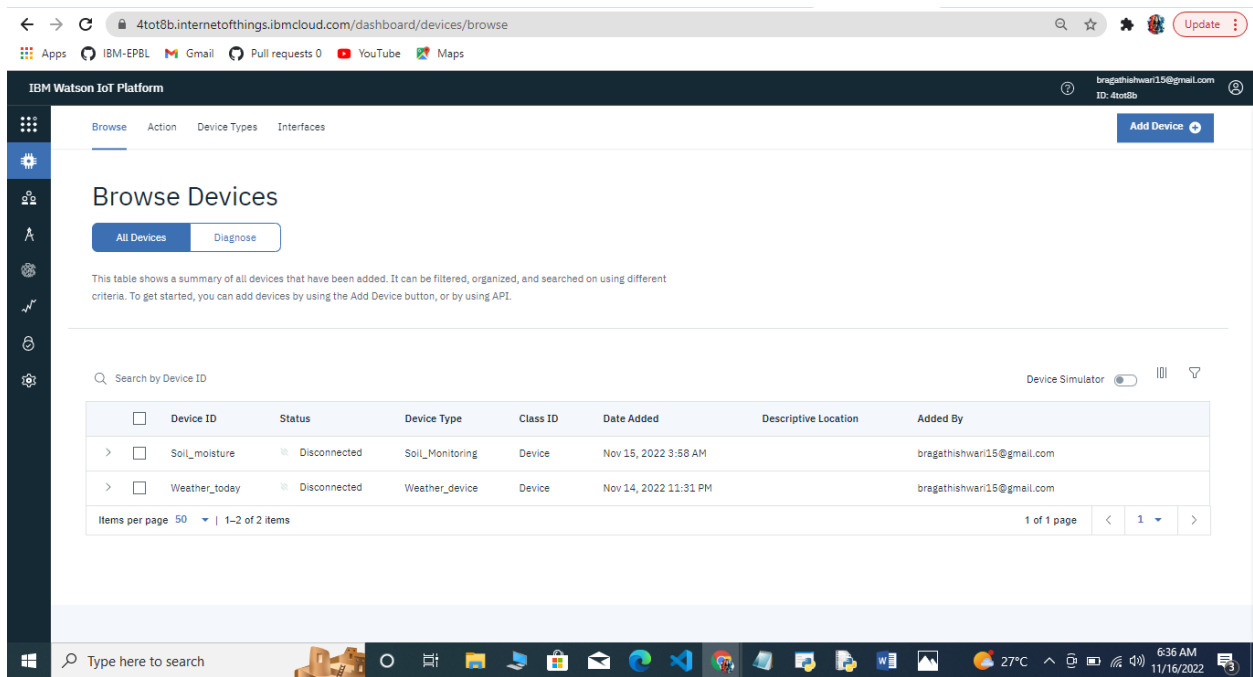
Basic connection information about this device.

1 Simulation running

Type here to search

30°C 3:58 AM 11/15/2022

## Step 7: created a device.



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

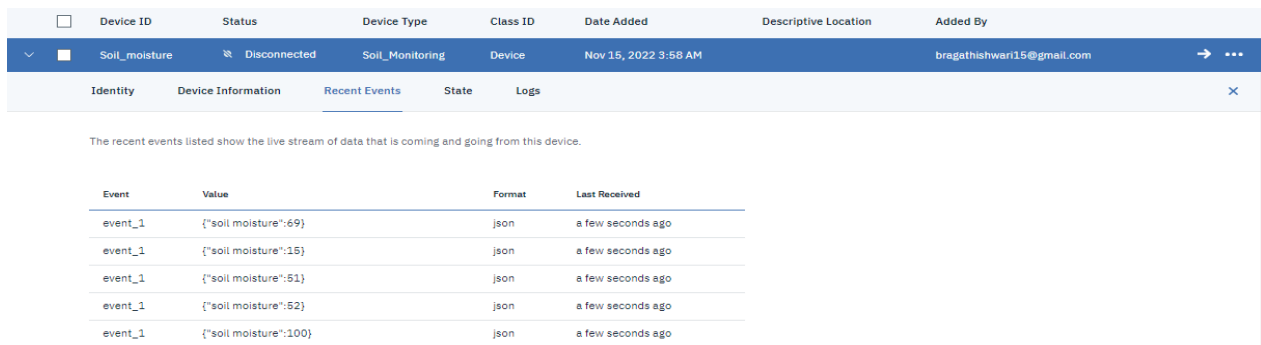
Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By
Soil_moisture	Disconnected	Soil_Monitoring	Device	Nov 15, 2022 3:58 AM		bragathishwari15@gmail.com
Weather_today	Disconnected	Weather_device	Device	Nov 14, 2022 11:31 PM		bragathishwari15@gmail.com

Items per page 50 | 1-2 of 2 items

1 of 1 page

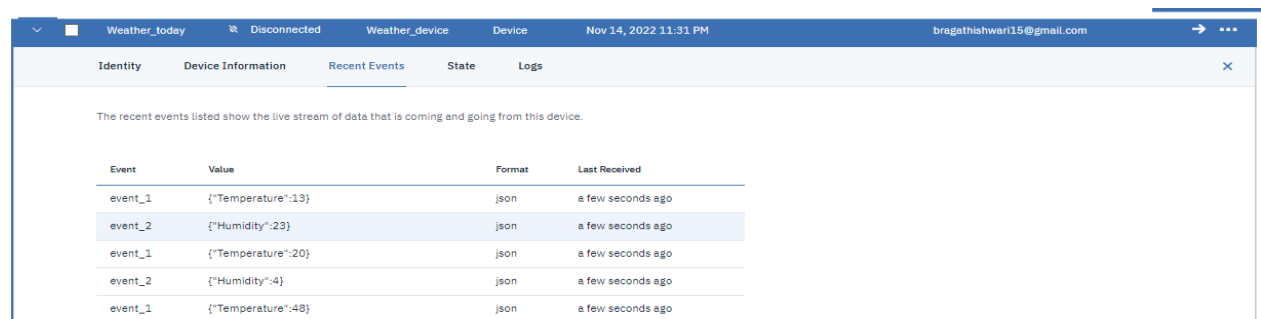
## Step 8: The recent events listed the live stream of data that is coming and going from this devices.



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
event_1	{"soil moisture":69}	json	a few seconds ago
event_1	{"soil moisture":15}	json	a few seconds ago
event_1	{"soil moisture":51}	json	a few seconds ago
event_1	{"soil moisture":52}	json	a few seconds ago
event_1	{"soil moisture":100}	json	a few seconds ago

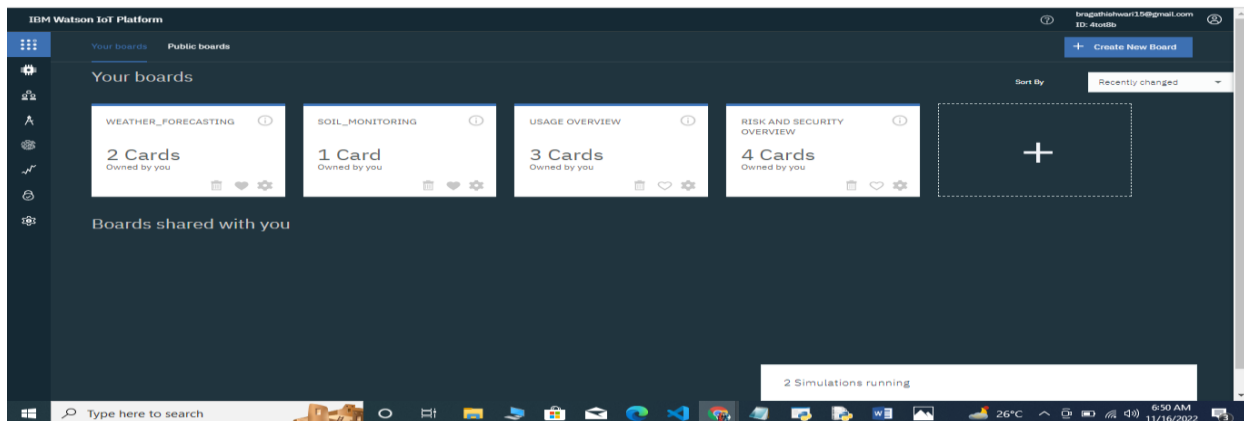


Identity Device Information Recent Events State Logs

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

Event	Value	Format	Last Received
event_1	{"Temperature":13}	json	a few seconds ago
event_2	{"Humidity":23}	json	a few seconds ago
event_1	{"Temperature":20}	json	a few seconds ago
event_2	{"Humidity":4}	json	a few seconds ago
event_1	{"Temperature":48}	json	a few seconds ago

**Step 9:** check boards for risk and security overview card , it uses for graphical representation boards



**Step 10:** Line charts.

