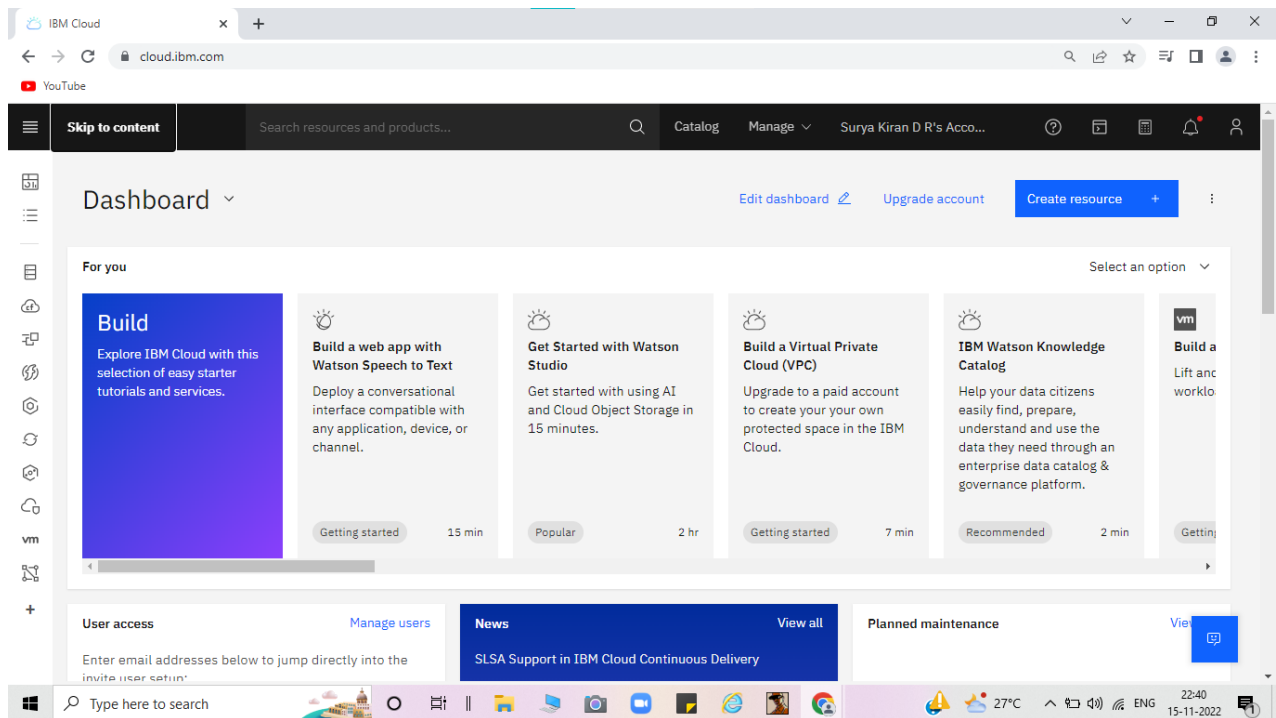
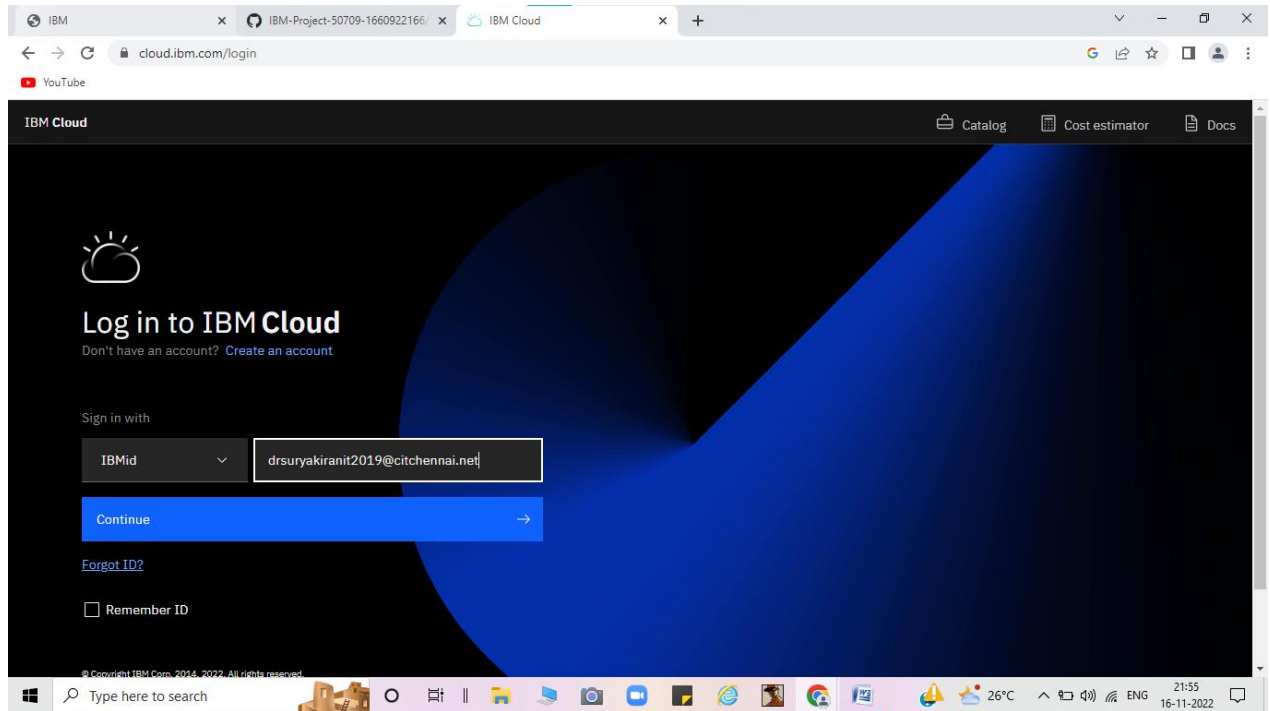


## Create The IBM Watson IoT Platform And A Device

Team ID	PNT2022TMID24904
Project Name	Smart Farmer-IOT Enabled Smart FarmingApplication



IBM Cloud

cloud.ibm.com/services/iotf-service/crn%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-gb%3Aa%2F75becc6d682443ebb9b278b411d18a7b%3A4459ad...

Internet of Things Platform-kd

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

The Lite service plan provides a lightweight

The Non-Production service plan is a full-

The Production service is a fully managed SaaS

IBM Cloud

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

Internet of Things Platform - IBM

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

Location Frankfurt London Dallas Washington DC

Related links

Select a location

London (eu-gb)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

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 Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed	Free

Summary

Internet of Things Platform

Free

Location: London

Plan: Lite

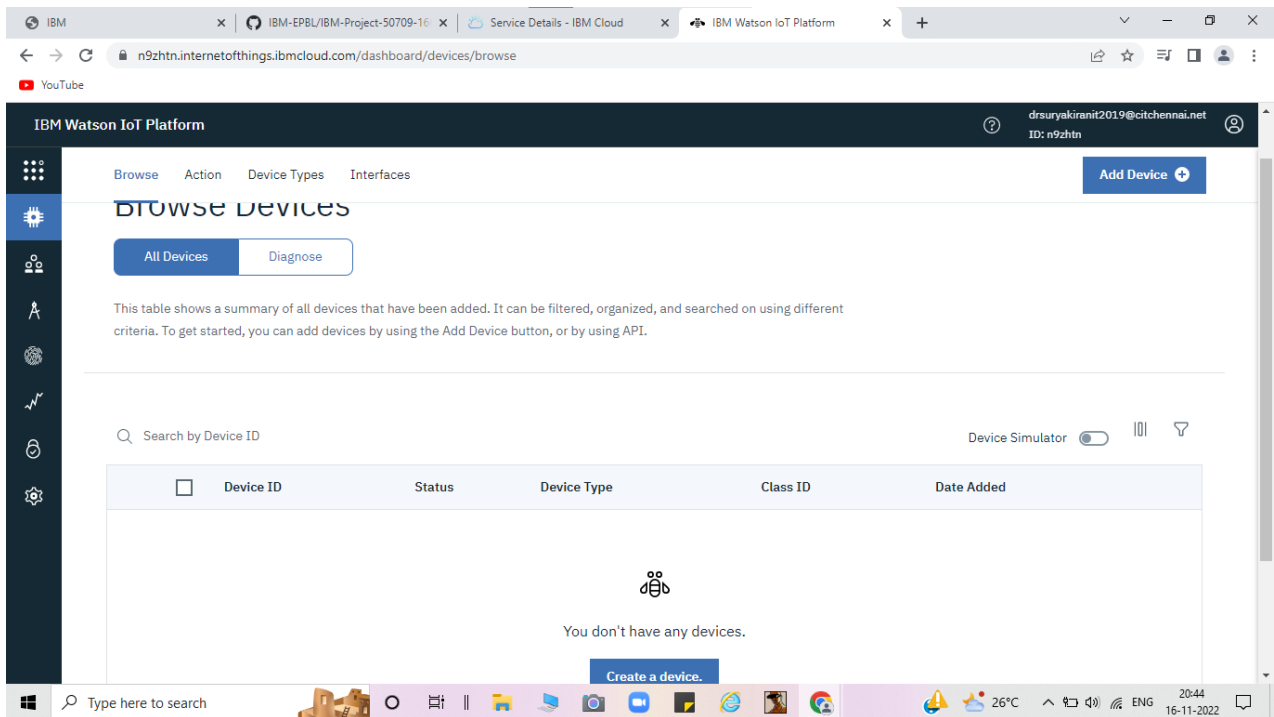
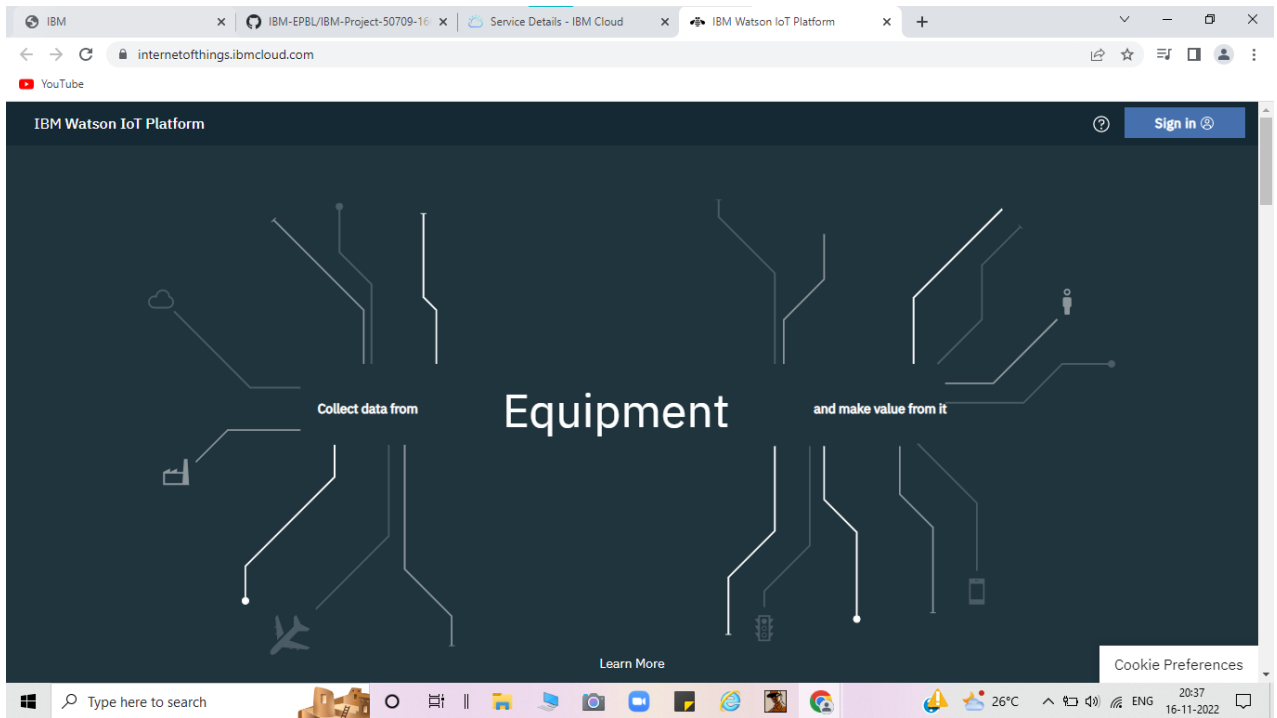
Service name: Internet of Things Platform-kd

Resource group: Default

☒ I have read and agree to the following license agreements: [Terms](#)

Creating...

Add to estimate



IBM Watson IoT Platform

← Back

## Device Drilldown - 12345

**Device Credentials**

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

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	n9zhtn
Device Type	NodeMCU
Device ID	12345
Authentication Method	use-token-auth
Authentication Token	PoBw1KVgS8nrq60rja

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

26°C 20:48 16-11-2022

IBM Watson IoT Platform

← Back

## Device Drilldown - sensor1

**Device Credentials**

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

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	n9zhtn
Device Type	sensor
Device ID	sensor1
Authentication Method	use-token-auth
Authentication Token	123456789

Authentication tokens are non-recoverable. authentication token.

0 Simulations running

Type here to search

26°C 21:50 16-11-2022

IBM Watson IoT Platform

Browse Action Device Types Interfaces

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

<input type="checkbox"/>	Status	Device Type	Class
> <input type="checkbox"/>	Disconnected	NodeMCU	Device
> <input type="checkbox"/>	Disconnected	sensor	Device

Items per page 50 | 1-2 of 2 items

Device Type: sensor

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   "Temperature": random(0,100)
2   "Humidity": random(0,100)
3 }
4
```

Upload a CSV file

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, criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

<input type="checkbox"/>	Device ID	Status	Device Type
> <input type="checkbox"/>	sensor	Disconnected	Arduino_uno

Items per page 50 | 1-1 of 1 item

Simulations Import/Export simulation

Device Type sensor 1 Event

No simulations are currently created for the device type.

1 x Create Simulated Device Use Registered Device

0 event sent 0 bytes sent

rr454u.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Identity Device Information Recent Events State

The recent events listed show the live stream of data that is coming and going

Event	Value
event_1	{"Temperature":22,"Humidity":98}
event_1	{"Temperature":34,"Humidity":54}
event_1	{"Temperature":36,"Humidity":96}
event_1	{"Temperature":47,"Humidity":86}
event_1	{"Temperature":62,"Humidity":51}

Events 1

Event type name event\_1 Frequency 1 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(5, 100),
2   "Humidity": random(45, 100)
3 }
4
5
```

[What functions can I apply?](#)

14 Nov 2022 11:52 PM

rr454u.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

Browse Action Device Types Interfaces Add Device +

sensor\_1 Connected sensor Device 14 Nov 2022 11:56 PM

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":22,"Humidity":98}	json	a few seconds ago
event_1	{"Temperature":34,"Humidity":54}	json	a few seconds ago
event_1	{"Temperature":36,"Humidity":96}	json	a few seconds ago
event_1	{"Temperature":47,"Humidity":86}	json	a few seconds ago
event_1	{"Temperature":62,"Humidity":51}		

3 Simulations running

The screenshot displays the IBM Watson IoT Platform interface. At the top, the navigation bar shows the platform name and a user profile for 'drsuryakirani2019@citchennai.net' with ID 'n9zhtn'. The main content area is titled 'Usage Summary' and is divided into two sections: 'THIS MONTH' and 'PREVIOUS MONTH'. The 'THIS MONTH' section shows a data transfer of 646.17 KB, represented by a globe icon. The 'PREVIOUS MONTH' section shows 0 bytes, represented by a line graph icon. Below these sections, there is a 'Data Transferred' section with a date range selector set to '11/15/2022' and a status indicator showing '1 Simulation running'. The bottom of the image shows a Windows taskbar with various application icons and system information like the date '16-11-2022' and time '21:53'.

Period	Data Transferred
THIS MONTH	646.17 KB
PREVIOUS MONTH	0 bytes