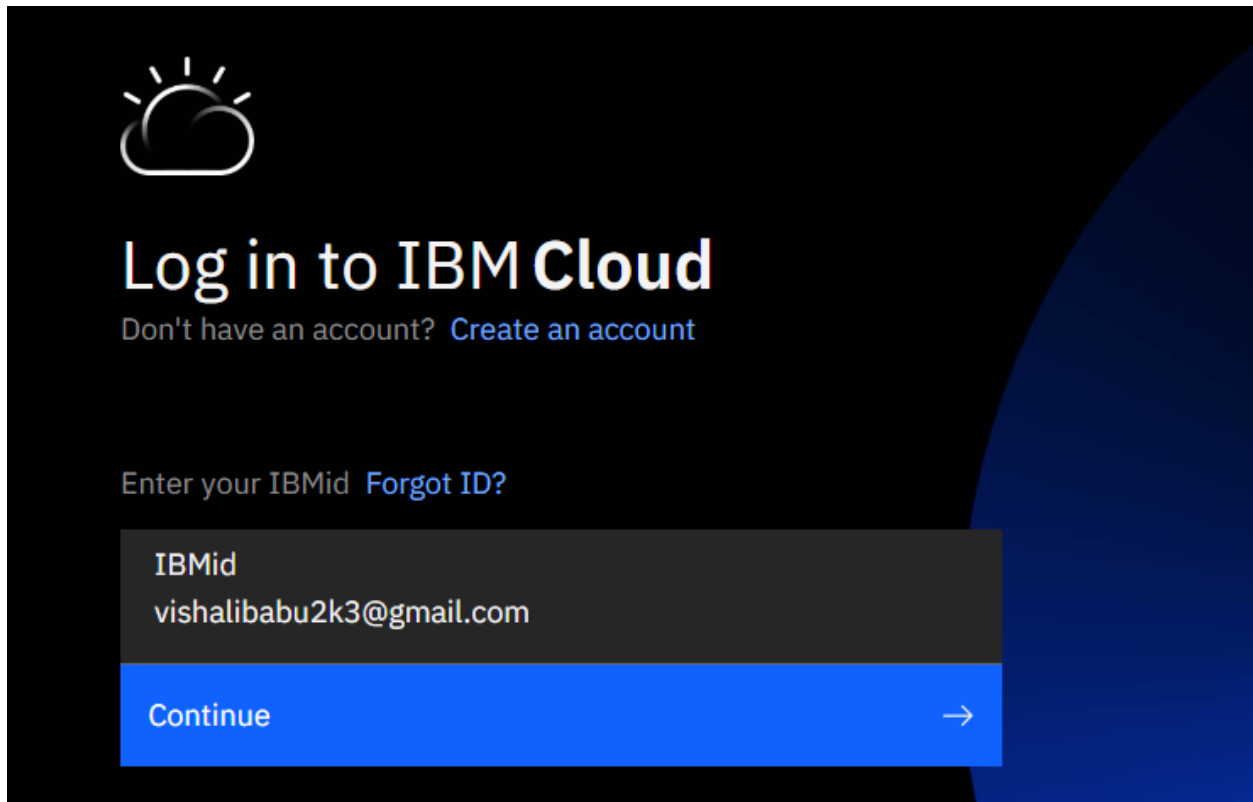
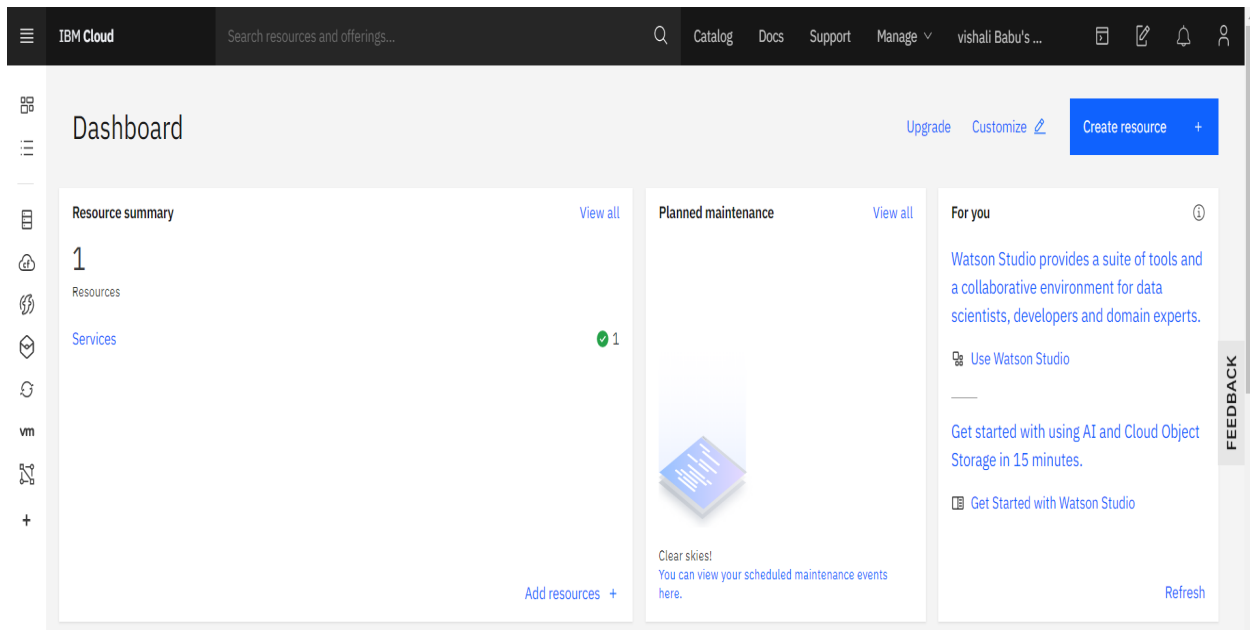


# SMART WEATHER MONITORING SYSTEM

1) FIRST OPEN THE IBM CLOUD TAB.THEN CREATE A NEW ACCOUNT USING MAIL ID AND A PASSWORD FOR IT.



2) THEN THE DASHBOARD WILL BE OPENED



3) THEN CLICK CATALOG BUTTON THEN SELECT IOT IN THE SEARCH FIELD. A NEW TAB WILL BE OPENED.



## Internet of Things Platform

IBM • Services • Internet of Things

This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that...

Lite • Free • IAM-enabled

4) CLICK CREATE IN THE BOTTOM RIGHT MOST CORNER

**Internet of Things Platform**  
 Author: IBM • Date of last update: 09/03/2019 • Docs

**Create** | About

Select a region  
 Select a region  
 London

Select a pricing plan  
 Displayed prices do not include tax. Monthly prices shown are for country or region: [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**  
 Region: London  
 Plan: Lite  
 Service name: Internet of Things Platform-8d  
 Resource group: Default

[Create](#)  
[Add to estimate](#)  
[View terms](#)

## 5) NOW CLICK LAUNCH BUTTON TO START THE IBM PLATFORM

**Internet of Things Platform-8d** 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**

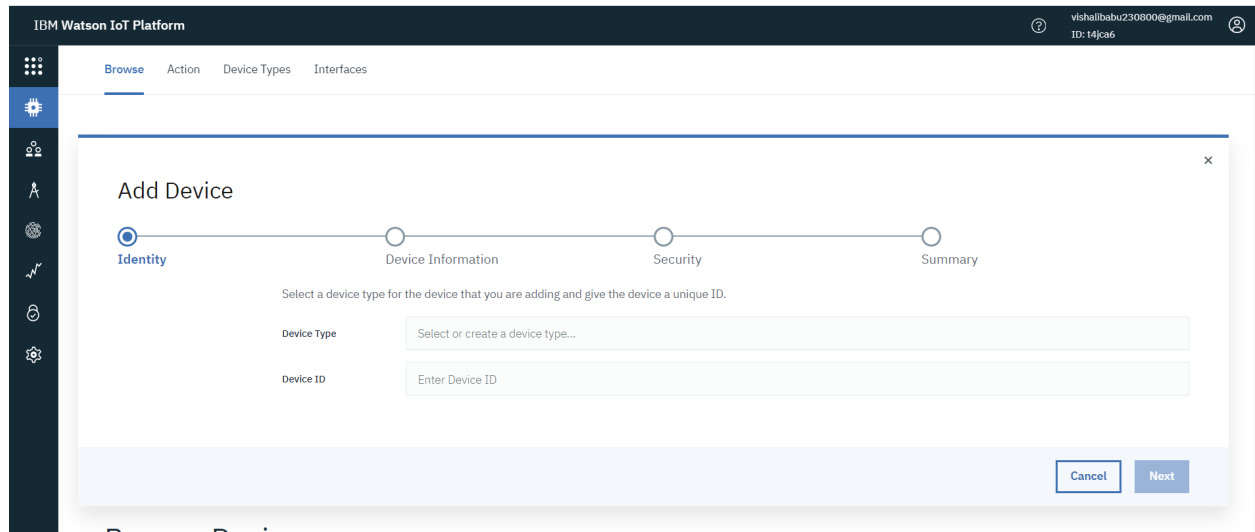
☒ **Lite**  
 The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.

☐ **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.

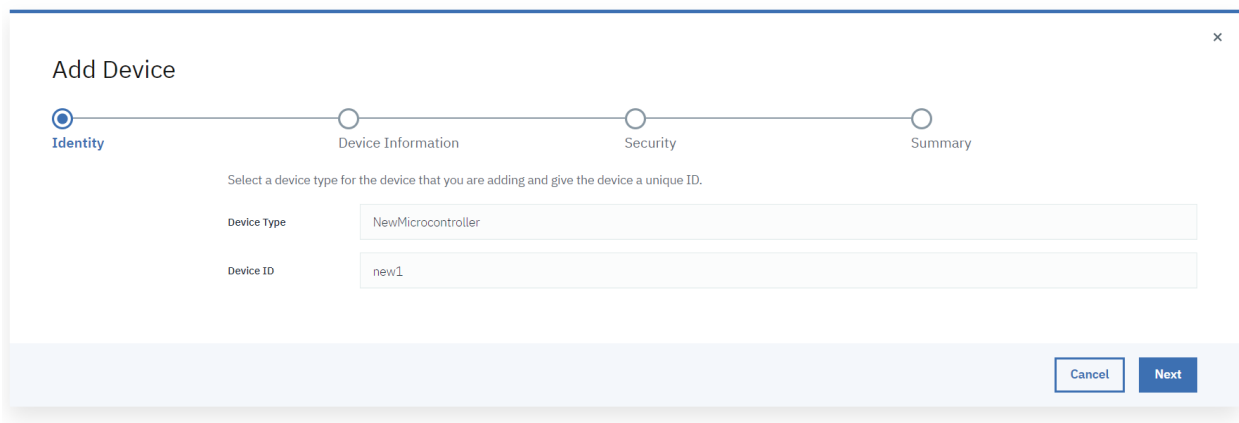
☐ **Production**  
 The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.

6)

AFTER LANCHING, CLICK ON THE ADD DEVICE OPTION. THE FOLLOWING TAB WILL BE OPENED.



7) TYPE THE DEVICE NAME AND DEVICE ID AS REQUIRED AND CLICK NEXT.




8) THEN GIVE BASIC INFORMATION ON THE DEVICE. AND CLICK NEXT.

## Add Device

Identity    **Device Information**    Security    Summary

You can modify the default device information and enter more information about the device for identification purposes.

Serial Number	123456789	Manufacturer	Enter Manufacturer
Model	arduino uno	Device Class	Enter Device Class
Description	Enter Description	Firmware Version	Enter Firmware Version
Hardware Version	Enter Hardware Version	Descriptive Location	Enter Descriptive Location

[Add Metadata](#) 

9) THEN IN SECURITY, CLICK NEXT TO GENERATE A AUTHENTICATION TOKEN ID.

Authentication Token    Enter an optional token    ⓘ

Make a note of the tokens cannot be recovered. Tokens are encrypted before being stored.

Authentication Token

Authentication token are encrypted before we store them.

10) NOW THE AUTHENTICATION CODE HAD BEEN CREATED.AND THE DEVICE CREDENTIALS ARE LISTED.

Organization ID      t4jca6

Device Type          NewMicrocontroller

Device ID            new1

Authentication Method    use-token-auth

Authentication Token      OKki1L&)gsUKt4LkRY

11) NOW MOVE THE SECURITY AND CLICK TLS OPTIONAL AND CLICK SAVE BUTTON.

#### Default Rule

Define the default connection security level to use for all device types that do not have custom rules defined.

Scope	Security Level	# of Devices
Default	TLS Optional	0 devices

The new policy setting is saved successfully.



12) enter the device details and click save changes.

Enter device information to connect to IoT platform

Organization ID

t4jca6

Device Type

NewMicrocontroller

Device ID

new1

Device Token

.....

Close

Save changes

13) THEN OPEN IBM WATSON IOT SENSORS WILL BE CONNECTED.

Temperature

15°C



*swipe left/right for more*






### 13) NOW THE DEVICES WILL BE CONNECTED.








Search by Device ID

Device Simulator ☐  

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	new1	<span style="color: green;">●</span> Connected	NewMicrocontroller	Device	Aug 8, 2020 6:08 PM	
Items per page 50   1-1 of 1 item						1 of 1 page < 1 >

IBM Watson IoT Platform





Your boards

Public boards

PROJECT

No cards

Owned by you

USAGE OVERVIEW

3 Cards

Owned by you

RISK AND SECURITY OVERVIEW

4 Cards

Owned by you

Boards shared with you

Card source data

new1

Card preview

Card information

Create Line chart Card

Connect data set

humidity

Event

iotsensor

Property

humidity

Name

humidity

Type

Number

Unit

Min

0

Max

100

Back

Next

Card source data

new1

Card preview

Card information

Create Line chart Card

Select the card size and specify additional information

A

Settings

S

M

L

XL

final

Back

Next

Search by Device ID

Device Simulator

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location									
	new1	Connected	NewMicrocontroller	Device	Aug 8, 2020 6:08 PM										
<div><div>Identity</div><div>Device Information</div><div>Recent Events</div><div>State</div><div>Logs</div><div></div></div>															
<p>The recent events listed show the live stream of data that is coming and going from this device.</p> <table><tr><th>Event</th><th>Value</th><th>Format</th><th>Last Received</th></tr><tr><td colspan="4">0 Simulations running</td></tr></table>								Event	Value	Format	Last Received	0 Simulations running			
Event	Value	Format	Last Received												
0 Simulations running															

14) NOW CREATE SIMULATION AND CLICK NEXT AND ENTER THE PAYLOAD AND CLICK USE REGISTERED DEVICE.

## Simulations

[Import/Export simulation](#)



You can use the simulated event data to learn about, test, and demonstrate fully functioning Watson IoT Platform features. You can simulate a device and its data or simulate only data for a device that is already registered.

To create a device simulation:

1. Select a device type.
2. Configure the event and payload.
3. Add devices.

[+ Create simulation](#)

10.4.2020

Simulations

Import/Export simulation




▼

0/50 Simulations Running

+ New Simulation

▼ Device Type

NewMicrocontroller

 1 Event  

No simulations are currently created for the device type.

1 ×

Create Simulated Device

Use Registered Device

Event Payload

Event Name

iotsensor

Time Received

Aug 8, 2020 6:25 PM

1

2

3

4

5

6

7

8

```
{
  "d": {
    "name": "new1",
    "temperature": 15,
    "humidity": 78,
    "objectTemp": 26
  }
}
```

14) NOW THE DEVICES ARE READY AND SENDS THE DATA CONTINUOUSLY.

Search by Device ID

Device Simulator ☐

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	new1	<span>●</span> Connected	NewMicrocontroller	Device	Aug 8, 2020 6:08 PM	

Items per page 50 | 1-1 of 1 item

1 of 1 page < 1 >

