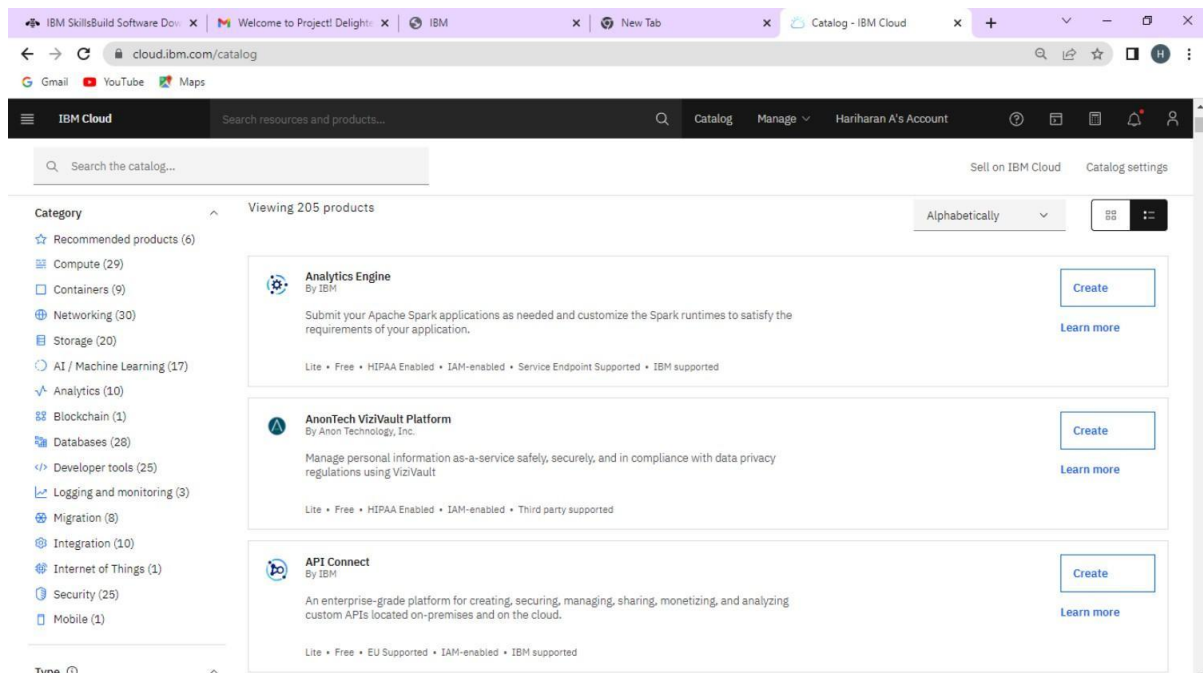
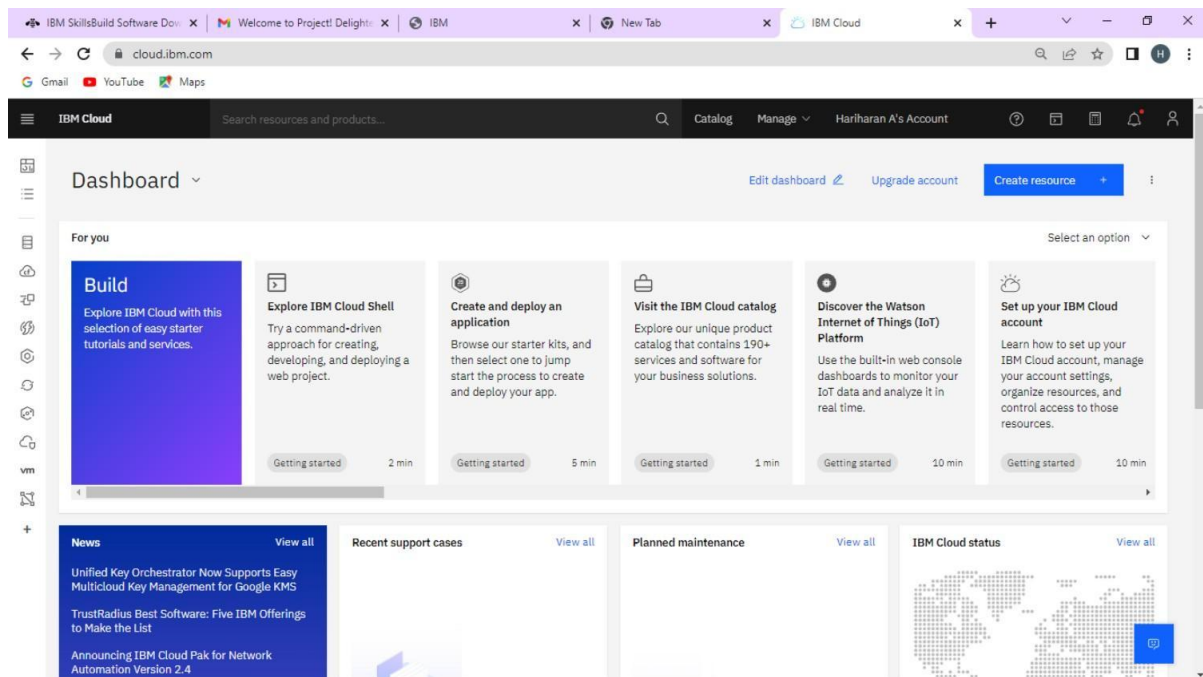


# CREATE IBM WATSON IOT PLATFORM AND DEVICE

Date:	12 NOVEMBER 2022
Team ID:	PNT2022TMID53637
Project Name:	Industry-Specific Intelligent Fire Management System



IBM SkillsBuild Software Dev x Welcome to Project! Delight x IBM x New Tab x Catalog - IBM Cloud x

cloud.ibm.com/catalog?category=iot

IBM Cloud Search resources and products... Catalog Manage Hariharan A's Account

Sell on IBM Cloud Catalog settings

Search the catalog...

Internet of Things

Alphabetically

Viewing 1 product

Filters: Internet of Things Clear all

**Internet of Things Platform**  
By IBM

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.

Lite • Free • IAM-enabled • IBM supported

Create

Learn more

Type

- All
- Services
- Software
- Professional services

Provider

- IBM (1)

Pricing plan

- Lite
- Free

Compliance

- IAM enabled

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cloud.ibm.com/services/iotf-service/crn%3Aav1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2Fcb9e1df7b89423882c07b8aa992f177%3Ab45b6ad8-ded...

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Resource list /

Internet of Things Platform-q1 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

Non-Production

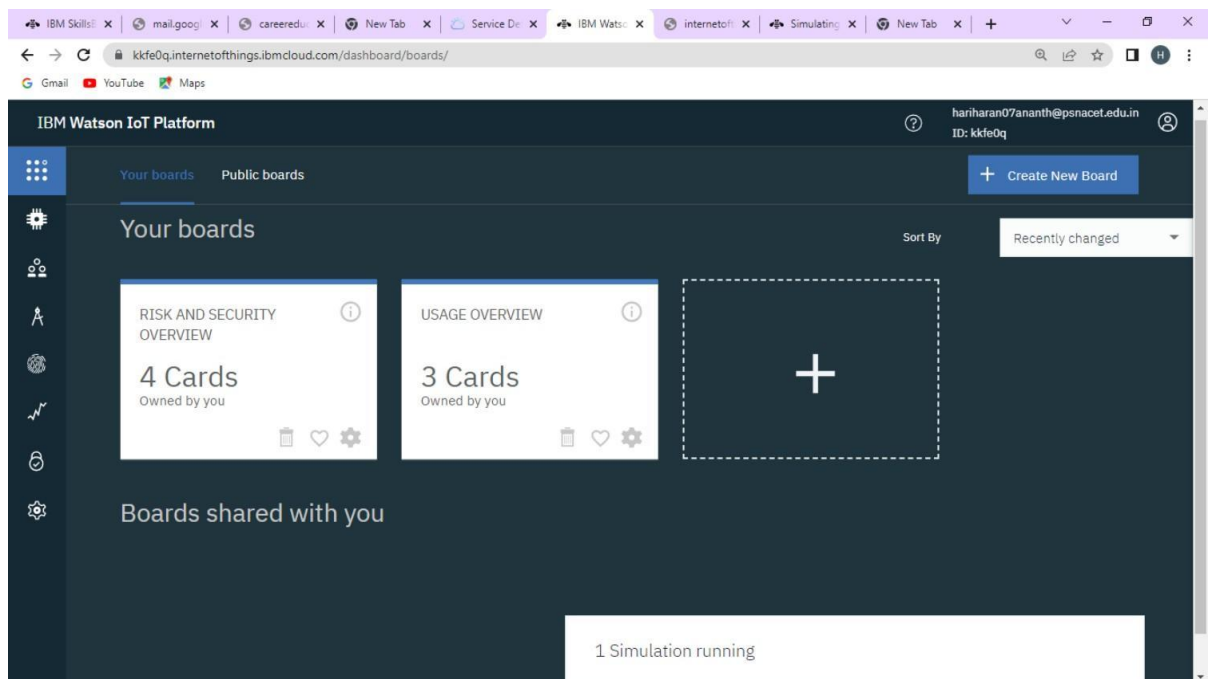
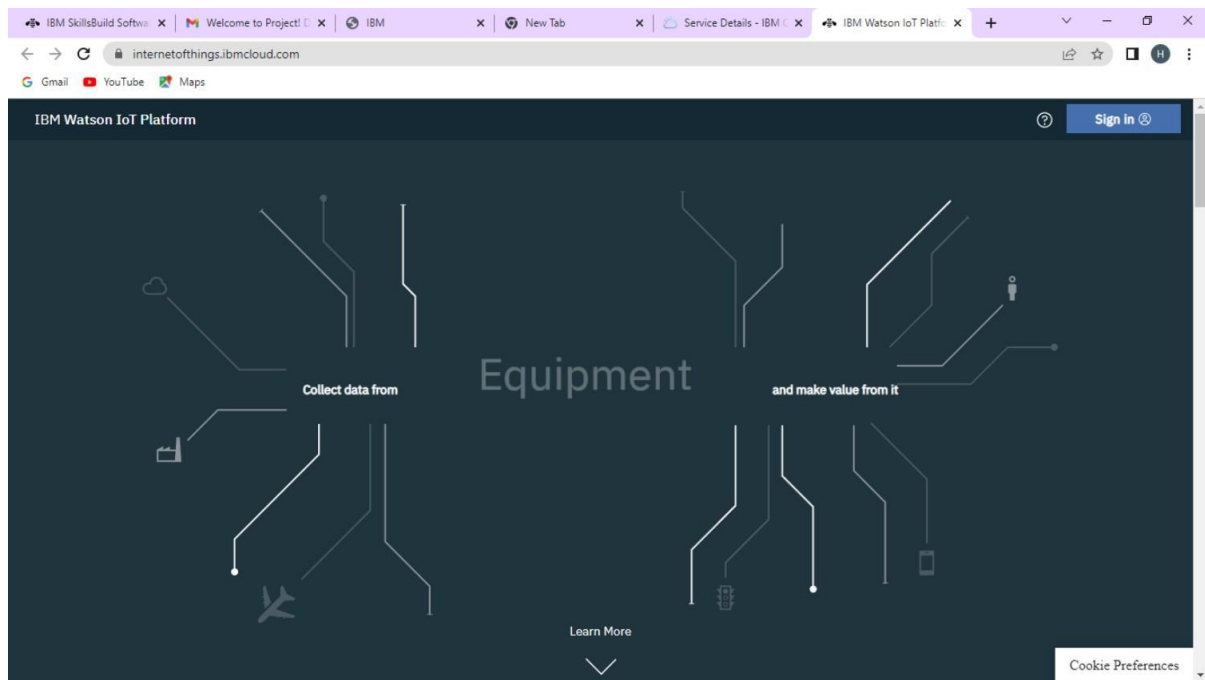
The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.

- 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



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kkfe0q.internetofthings.ibmcloud.com/dashboard/devices/browse/add

Gmail YouTube Maps

### IBM Watson IoT Platform

hariharan07ananth@psnacet.edu.in  
ID: kkfe0q

Browse Action Device Types Interfaces

## Add Device

Identity Device Information Security Summary

Verify that the following information is correct then select Finish

Device Type  
TestDeviceType

Device ID  
12345

[View Metadata](#)

Security Token  
To be generated

1 Simulation running

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kkfe0q.internetofthings.ibmcloud.com/dashboard/devices/drilldown/TestDeviceType:12345?returnTo=/devices/browse

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### IBM Watson IoT Platform

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ID: kkfe0q

← Back

## Device Drilldown - 12345

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	kkfe0q
Device Type	TestDeviceType
Device ID	12345
Authentication Method	use-token-auth
Authentication Token	83wGtEAlm3uuprUVQL

1 Simulation running

Authentication tokens are generated. generate a new authentic

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kkfe0q.internetofthings.ibmcloud.com/dashboard/devices/drilldown/TestDeviceType:12345?returnTo=/devices/browse

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IBM Watson IoT Platform

hariharan07ananth@psnacet.edu.in ID: kkfe0q

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## Device Drilldown - 12345

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

### Connection Information

Basic connection information about this device.

Device ID	12345
Device Type	TestDeviceType
Date Added	Nov 6, 2022 8:27 PM
Added By	hariharan07ananth@psnacet.edu.in
Connection Status	Disconnected

### Recent Events

The recent events listed show the

1 Simulation running

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kkfe0q.internetofthings.ibmcloud.com/dashboard/settings

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IBM Watson IoT Platform

## General Settings

Here you can see and modify global organization information and locally enabled features.

PLATFORM

About

Identity

Experimental Features

Last Event Cache

Client Connection State API

DATA AND DEVICES

Custom Device Management Dashboard

### Last Event Cache

The last event cache (LEC) stores information, see the last event cache [documentation](#).

Activate Last Event Cache

### Client Connection State

The Client Connection State API provides client connection status information. For more information, see the client state monitoring [documentation](#).

### Device Type: TestDeviceType

Events 1

New event type +

Event type name event\_1 Send

Schedule 20 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

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## IBM Watson IoT Platform

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#### PLATFORM

- About
- Identity
- Experimental Features
- Last Event Cache
- Client Connection State API

#### DATA AND DEVICES

- Custom Device Management Package

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Activate Last Event Cache

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### Simulations

Import/Export simulation

1/50 Simulations Running + New Simulation

Device Type: TestDeviceType 1 Event

1 Device

12345

1 x Create Simulated Device Use Registered Device

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## IBM Watson IoT Platform

hariharan07ananth@psnacet.edu.in ID: kkfe0q

Browse Action Device Types Interfaces Add Device +

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added
12345	Disconnected	TestDeviceType	Device	Nov 6, 2022 8:27 PM

Identity

Device Information

Recent Events

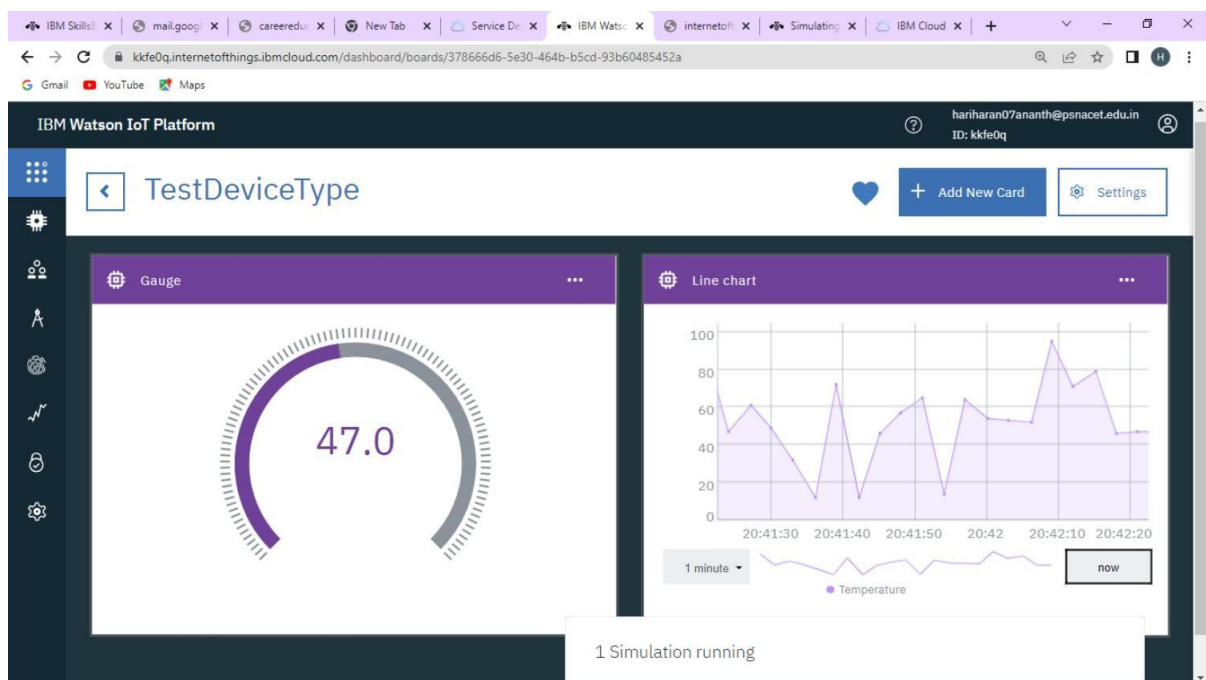
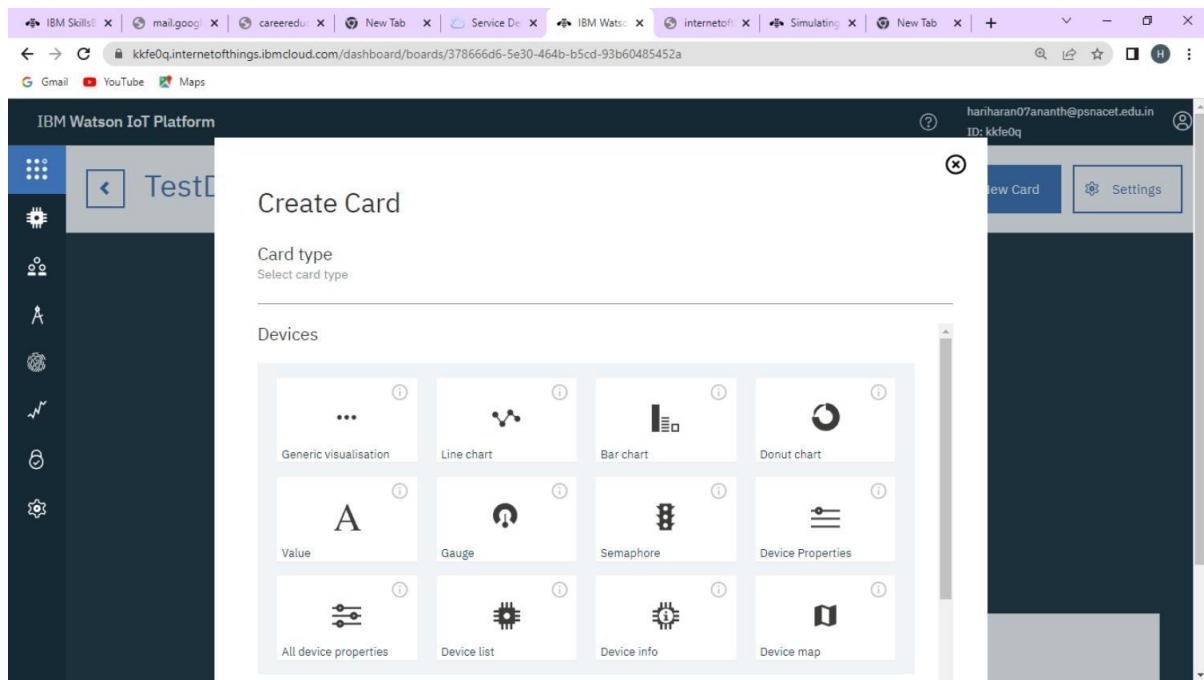
State

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":70,"Humidity":98}	json	a few seconds ago
event_1	{"Temperature":28,"Humidity":23}	json	a few seconds ago
event_1	{"Temperature":72,"Humidity":97}		
event_1	{"Temperature":78,"Humidity":70}		

1 Simulation running



### Result:

An IBM Watson cloud for IoT and a device is created successfully.