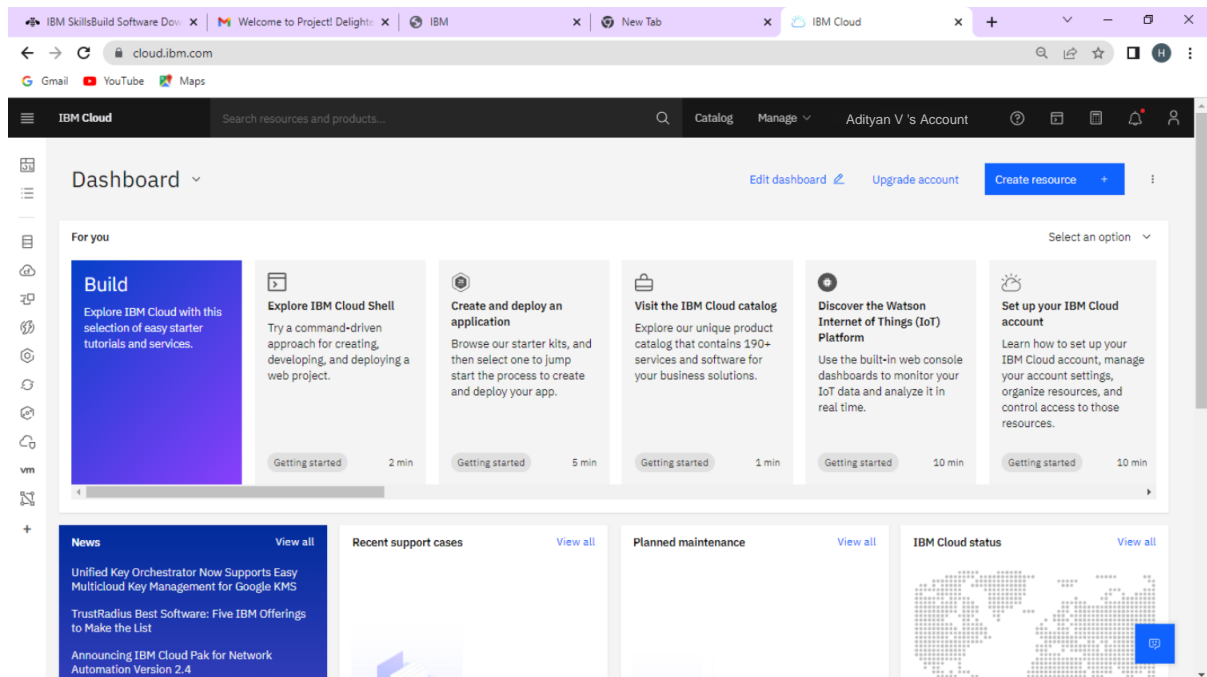
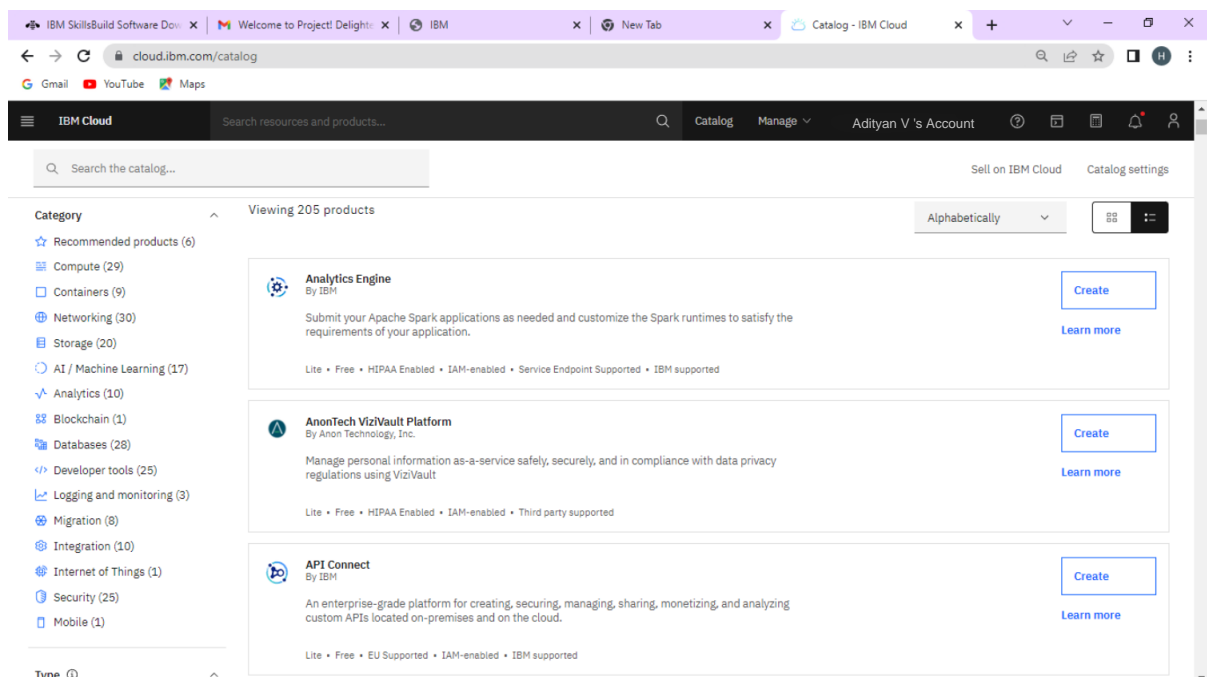


# CREATE IBM WATSON IOT PLATFORM AND DEVICE

Date:	13 NOVEMBER 2022
Team ID:	PNT2022TMID53304
Project Name:	Industry-Specific Intelligent Fire Management System



The screenshot shows the IBM Cloud Dashboard. The top navigation bar includes the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account (Adityan V's Account). The main content area is titled "Dashboard" and features a "For you" section with several cards: "Build" (Explore IBM Cloud with this selection of easy starter tutorials and services), "Explore IBM Cloud Shell" (Try a command-driven approach for creating, developing, and deploying a web project), "Create and deploy an application" (Browse our starter kits, and then select one to jump start the process to create and deploy your app), "Visit the IBM Cloud catalog" (Explore our unique product catalog that contains 190+ services and software for your business solutions), "Discover the Watson Internet of Things (IoT) Platform" (Use the built-in web console dashboards to monitor your IoT data and analyze it in real time), and "Set up your IBM Cloud account" (Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources). Below the "For you" section, there are four more cards: "News" (Unified Key Orchestrator Now Supports Easy Multicloud Key Management for Google KMS, TrustRadius Best Software: Five IBM Offerings to Make the List, Announcing IBM Cloud Pak for Network Automation Version 2.4), "Recent support cases", "Planned maintenance", and "IBM Cloud status".



The screenshot shows the IBM Cloud Catalog. The top navigation bar includes the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account (Adityan V's Account). The main content area is titled "Catalog" and features a "Viewing 205 products" section. On the left, there is a "Category" sidebar with a list of categories: Recommended products (6), Compute (29), Containers (9), Networking (30), Storage (20), AI / Machine Learning (17), Analytics (10), Blockchain (1), Databases (28), Developer tools (25), Logging and monitoring (3), Migration (8), Integration (10), Internet of Things (1), Security (25), and Mobile (1). The main content area displays three product cards: "Analytics Engine" (By IBM), "AnonTech Vizivault Platform" (By Anon Technology, Inc.), and "API Connect" (By IBM). Each card includes a description, a "Create" button, and a "Learn more" link. The bottom of the page shows a "Type" filter.

IBM SkillsBuild Software Dev...Welcome to Project! Delight...IBMNew TabCatalog - IBM Cloud

cloud.ibm.com/catalog?category=iot

GmailYouTubeMaps

IBM CloudSearch resources and products...CatalogManageAdityan V's AccountSell on IBM CloudCatalog settings

Search the catalog...

Internet of Things

Alphabetically

Viewing 1 product

Filters: Internet of ThingsClear 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

CreateLearn more

Type

AllServicesSoftwareProfessional services

Provider

IBM (1)

Pricing plan

LiteFree

Compliance

TAM enabled

IBM SkillsBuild Software Dev...Welcome to Project! Delight...IBMNew TabService Details - IBM Cloud

cloud.ibm.com/services/iotf-service/crm%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2Fcba9e1df7b89423882c07b8aa992f177%3Ab45b6ad8-ded...

GmailYouTubeMaps


IBM CloudSearch resources and products...CatalogManageAdityan V's AccountDetailsActions...

Resource list /

Internet of Things Platform-q1ActiveAdd tags

Manage

PlanConnections



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.

LaunchDocs

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

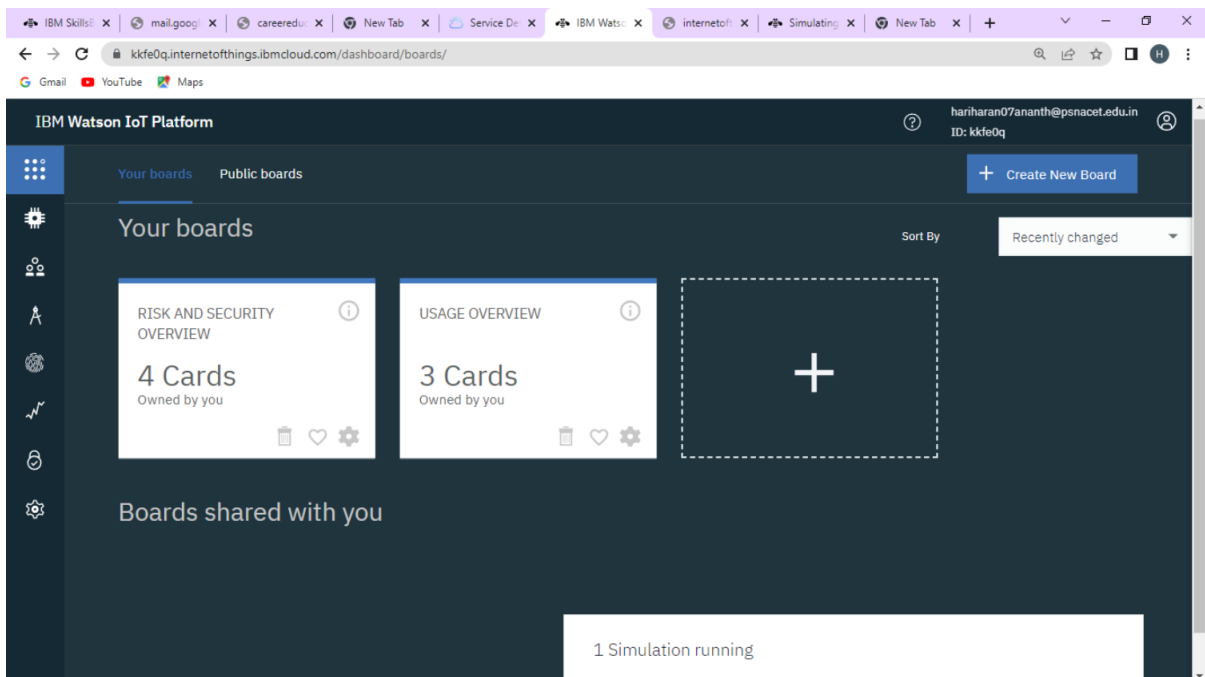
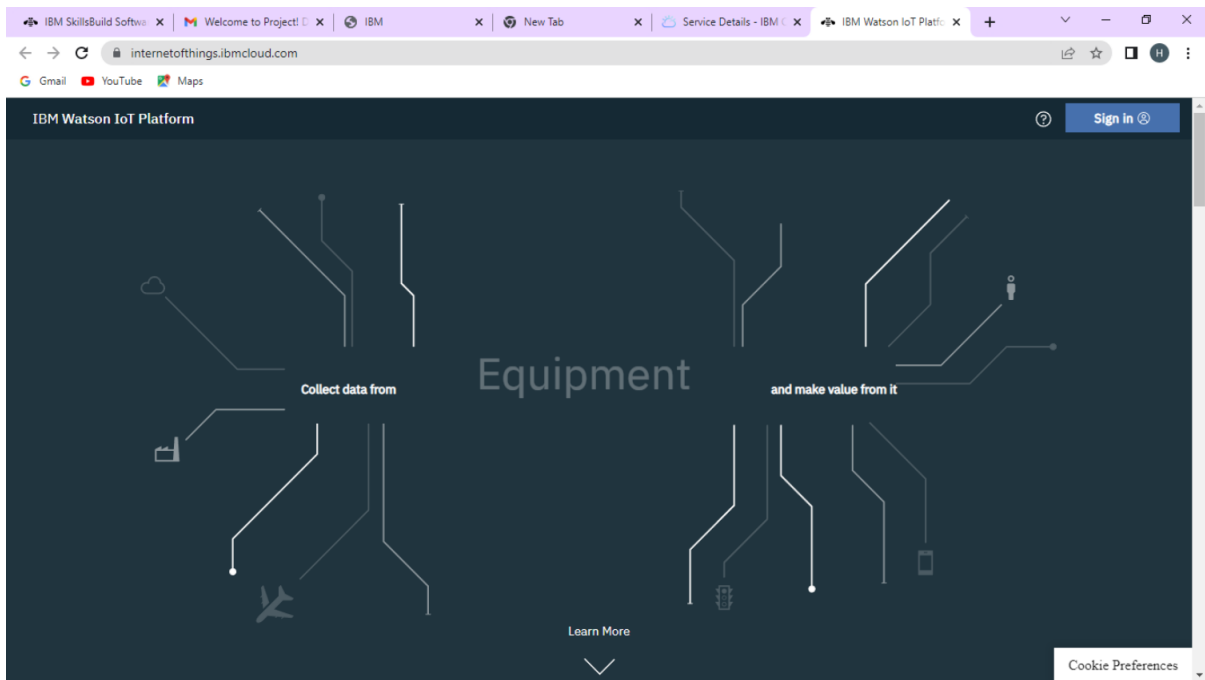
The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.

• 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	8JwGtEAlm3uuprUVQl

1 Simulation running

Authentication tokens are generated automatically. You can generate a new authentication token at any time.

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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

← Back

## 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 Packages

### 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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kkfe0q.internetofthings.ibmcloud.com/dashboard/settings

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### IBM Watson IoT Platform

## General Settings

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#### PLATFORM

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

#### DATA AND DEVICES

- Custom Device Management Packages

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

Activate Last Event Cache

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

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

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### IBM Watson IoT Platform

hariharan07ananth@psnacet.edu.in ID: kkfe0q

Browse Action Device Types Interfaces

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

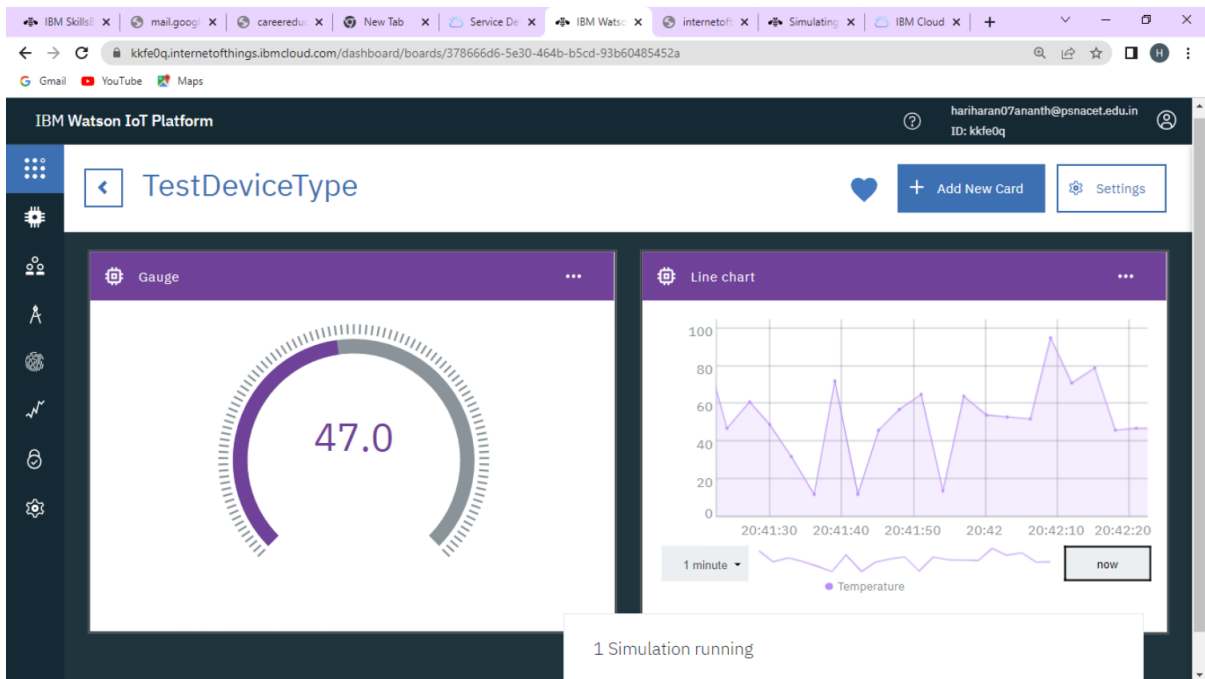
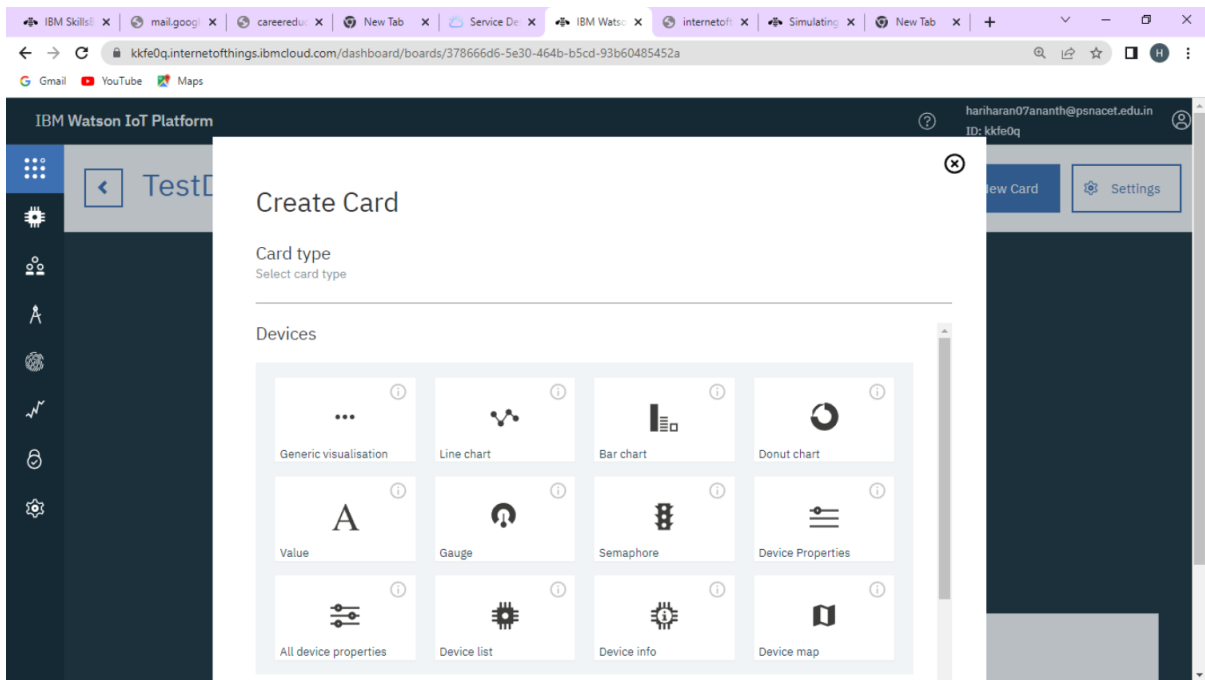
#### State

#### 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.