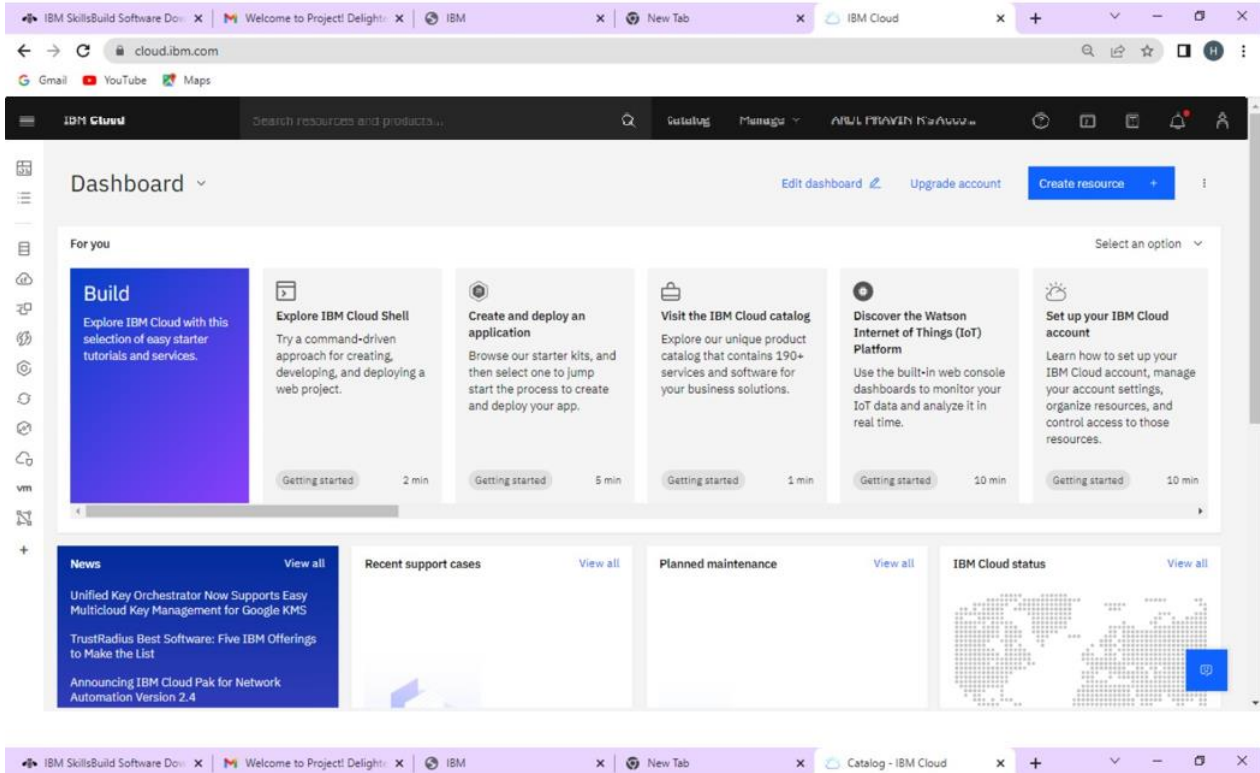
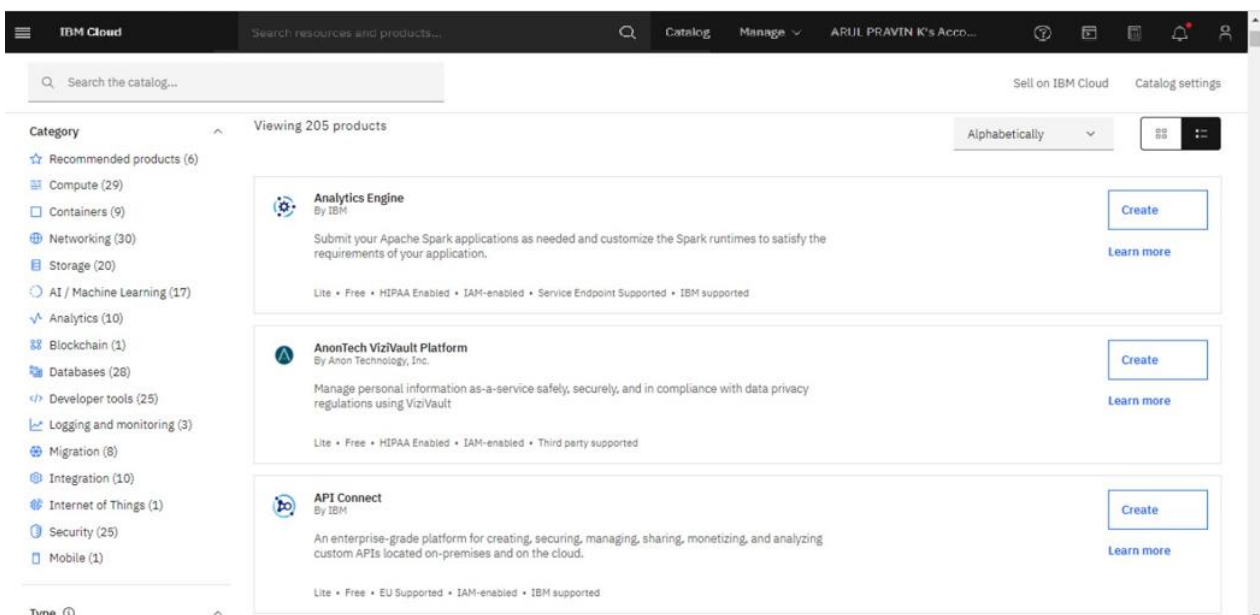


CREATE IBM WATSON IOT PLATFORM AND DEVICE

Date:	3 NOVEMBER 2022
Team ID:	PNT2022TMID16363
Project Name:	Industry-Specific Intelligent Fire Management System



The screenshot shows the IBM Cloud Dashboard in a web browser. The browser's address bar displays 'cloud.ibm.com'. The dashboard header includes the IBM Cloud logo, a search bar, and navigation links for 'Catalog', 'Manage', and 'ARUL PRAVIN K's Account'. The main content area is titled 'Dashboard' and features a 'For you' section with six cards: 'Build', 'Explore IBM Cloud Shell', 'Create and deploy an application', 'Visit the IBM Cloud catalog', 'Discover the Watson Internet of Things (IoT) Platform', and 'Set up your IBM Cloud account'. Each card includes a brief description and a 'Getting started' button with a time estimate. Below this, there are sections for 'News', 'Recent support cases', 'Planned maintenance', and 'IBM Cloud status', each with a 'View all' link. The 'News' section lists several articles related to IBM Cloud services.



The screenshot shows the IBM Cloud Catalog page. The browser's address bar displays 'Catalog - IBM Cloud'. The page header includes the IBM Cloud logo, a search bar, and navigation links for 'Catalog', 'Manage', and 'ARUL PRAVIN K's Account'. The main content area is titled 'Catalog' and features a search bar and a 'Viewing 205 products' indicator. On the left, there is a 'Category' sidebar with a list of product categories and their counts. The main content area displays three product cards: 'Analytics Engine' by IBM, 'AnonTech VizVault Platform' by Anon Technology, Inc., and 'API Connect' by IBM. Each card includes a brief description, a 'Create' button, and a 'Learn more' link. The 'Analytics Engine' card also includes a 'Lite' badge and a list of features: 'Free', 'HIPAA Enabled', 'IAM-enabled', 'Service Endpoint Supported', and 'IBM supported'.

cloud.ibm.com/catalog?category=iot

IBM Cloud Search resources and products... Catalog Manage ARUL PRAVIN K's Acco... Sell on IBM Cloud Catalog settings

Search the catalog...

Internet of Things

Alphabetically

Type

- All
- Services
- Software
- Professional services

Provider

- IBM (1)

Pricing plan

- Lite
- Free

Compliance

- TAM enabled

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

IBM SkillsBuild Software Dev Welcome to Project! Delight: IBM New Tab Service Details - IBM Cloud

cloud.ibm.com/services/iotf-service/crn%3Av1%3Abluemix%3Apublic%3AIotf-service%3Aeu-de%3Aa%2Fcb9e1df7b89423882c07b8aa992f177%3Ab45b6ad8-ded...

IBM Cloud Search resources and products... Catalog Manage ARUL PRAVIN K's Acco...

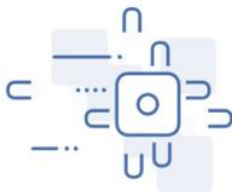
Resource list /

Internet of Things Platform-q1 Active Add tags

Details Actions...

Manage

- Plan
- Connections



Let's get started with IBM Watson IoT Platform

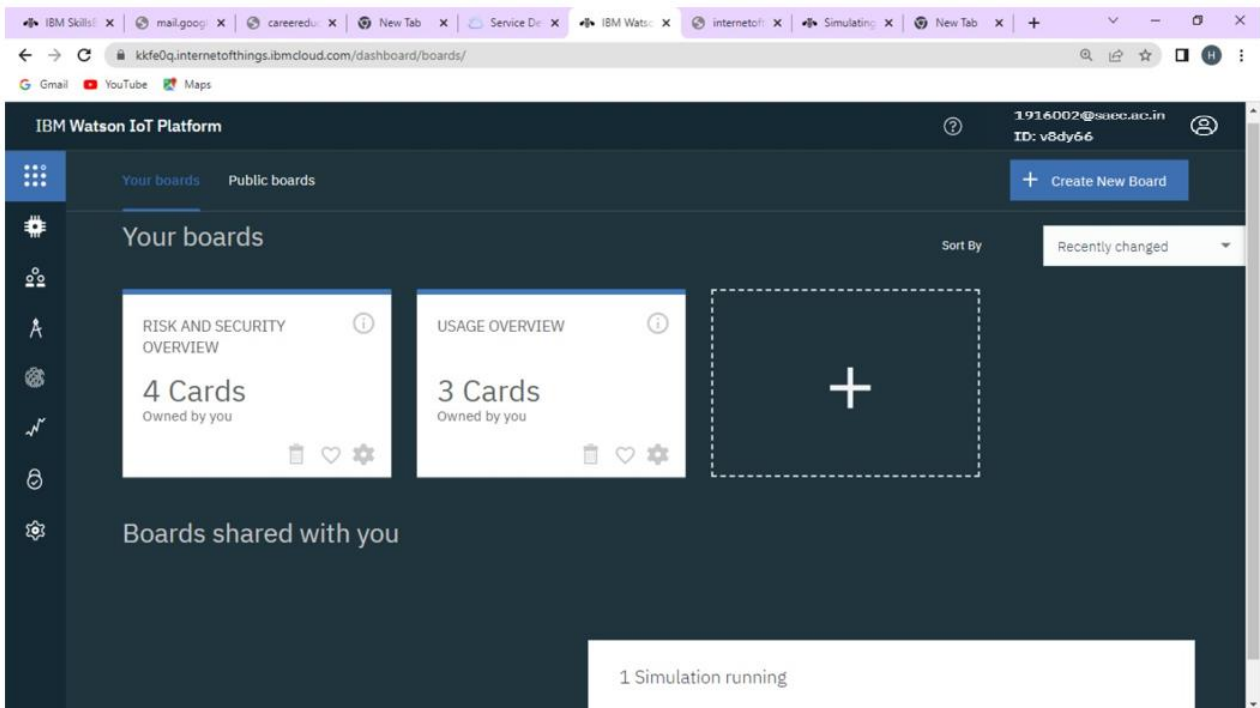
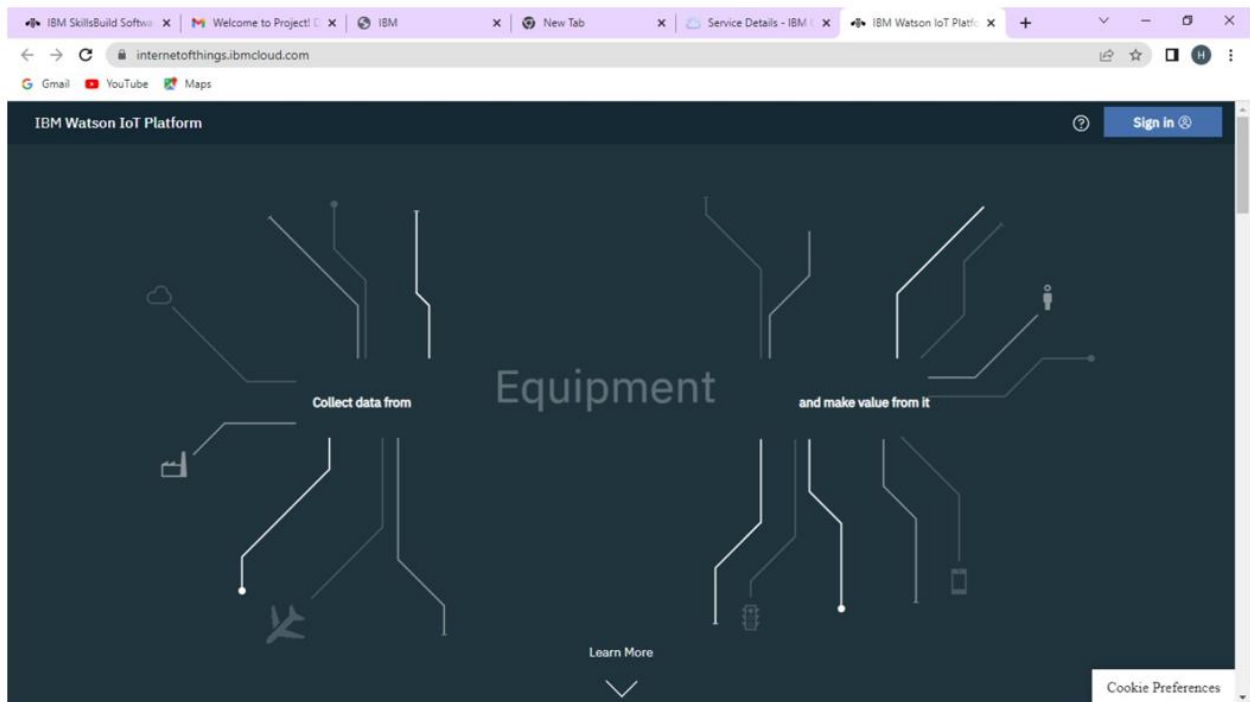
Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

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



IBM Skills X | mail.google X | careeredu X | New Tab X | Service De X | IBM Wats X | internetof X | Simulating X | New Tab X | +

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

Gmail YouTube Maps

IBM Watson IoT Platform

1916002@saat.ac.in
ID: v6dy66

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

IBM Skills X | mail.google X | careeredu X | New Tab X | Service De X | IBM Wats X | internetof X | Simulating X | New Tab X | +

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

Gmail YouTube Maps

IBM Watson IoT Platform

1916002@saat.ac.in
ID: v6dy66

← Back

Device Drilldown - 12345

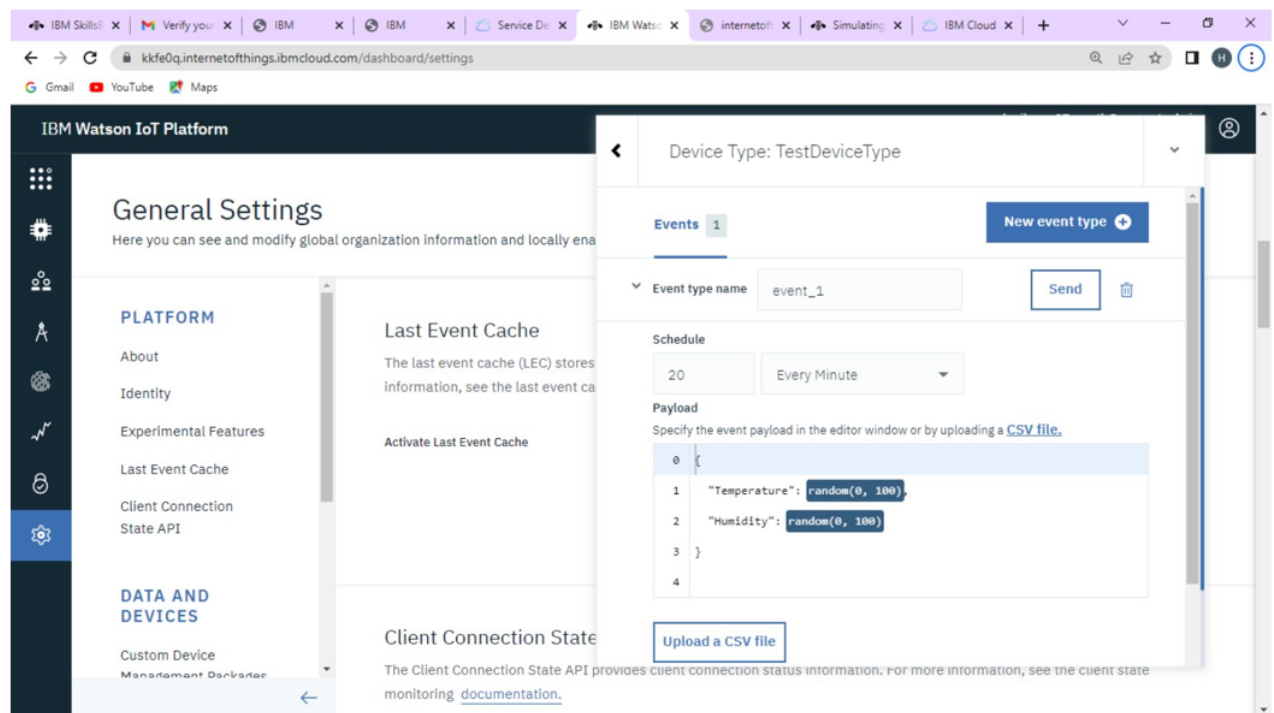
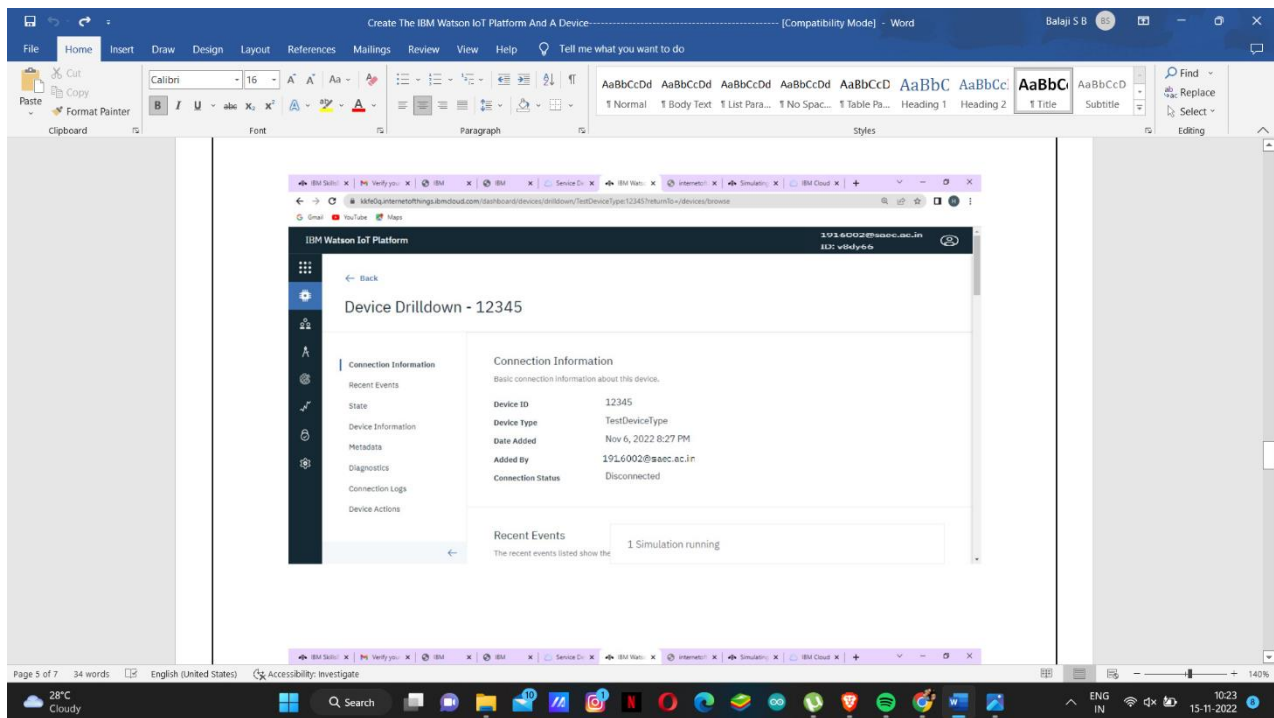
Device Credentials

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.



IBM Skills x Verify you x IBM x IBM x Service Di x IBM Wats x internetof x Simulating x IBM Cloud x

kkfe0q.internetofthings.ibmcloud.com/dashboard/settings

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](#).

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

IBM Skills x Verify you x IBM x IBM x Service Di x IBM Wats x internetof x Simulating x IBM Cloud x

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

IBM Watson IoT Platform

1916002@saec.ac.in ID: v8dy66

Browse Action Device Types Interfaces

Search by device ID

Device Simulator

Add Device

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

Identity

Device Information

Recent Events

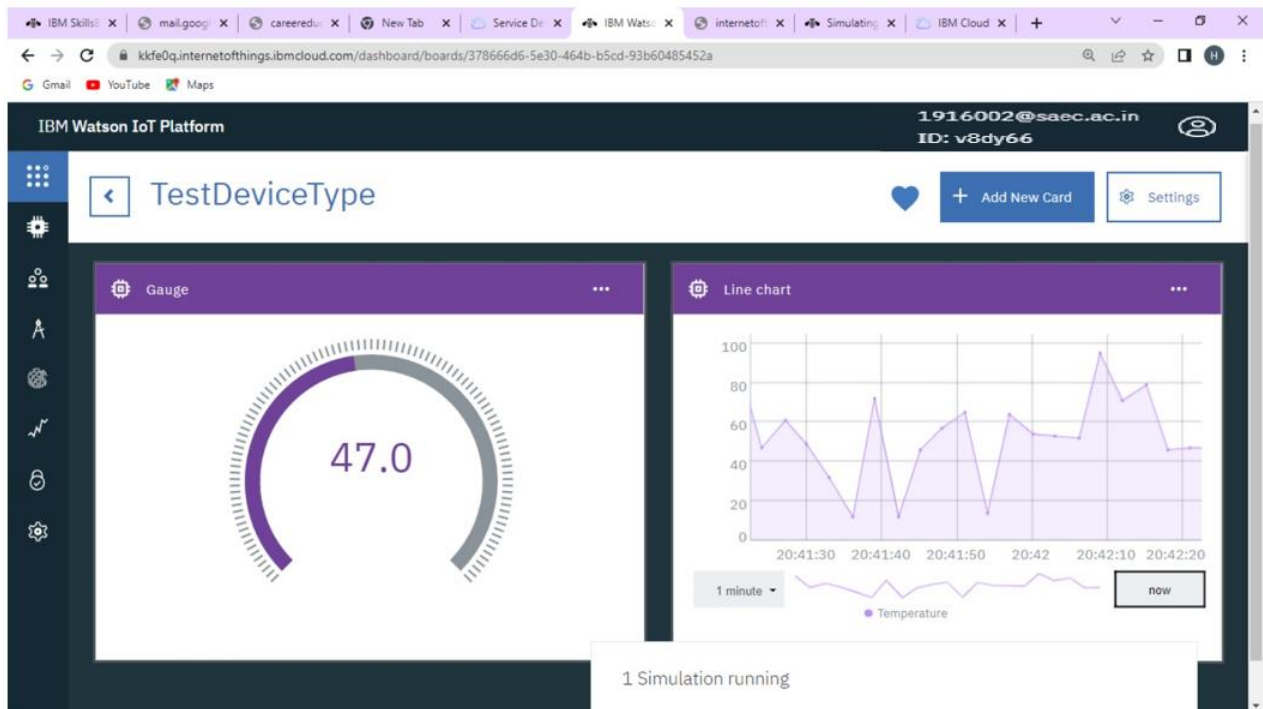
State

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.