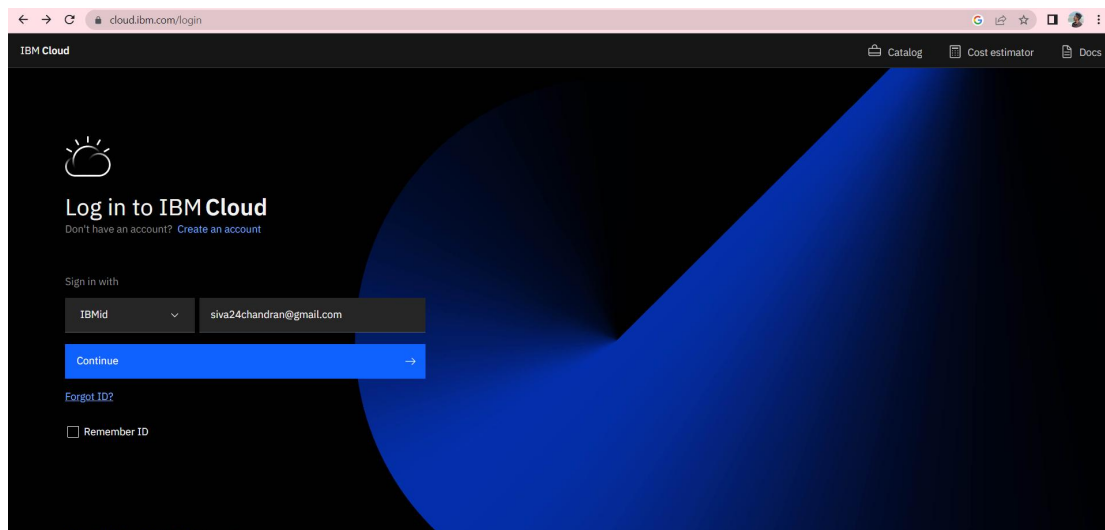


## CREATE IBM WATSON IOT PLATFORM AND DEVICE

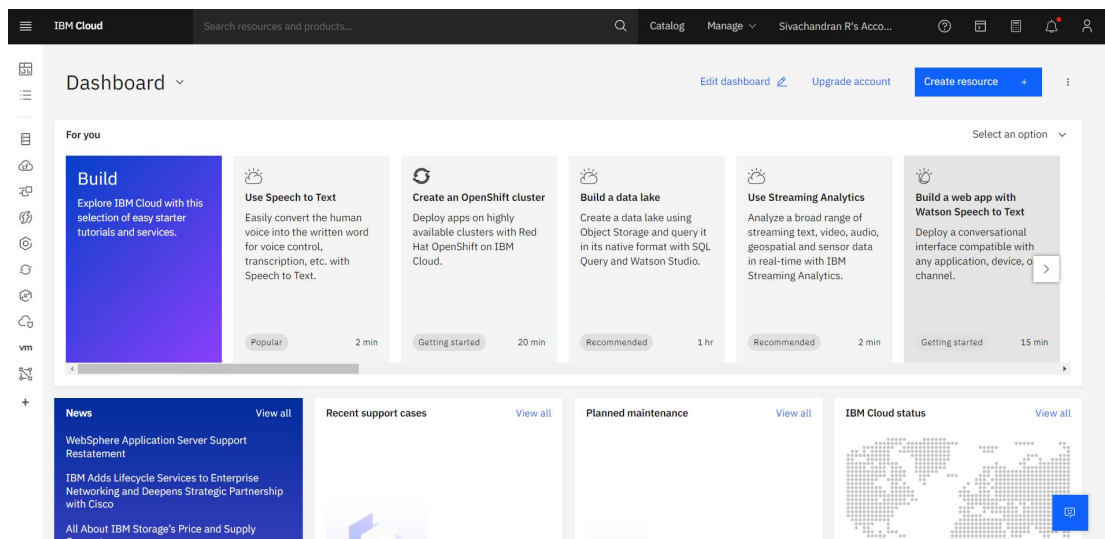
Date	13 November 2022
Team ID	PNT2022TMID12772
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring & Notification

### STEPS:

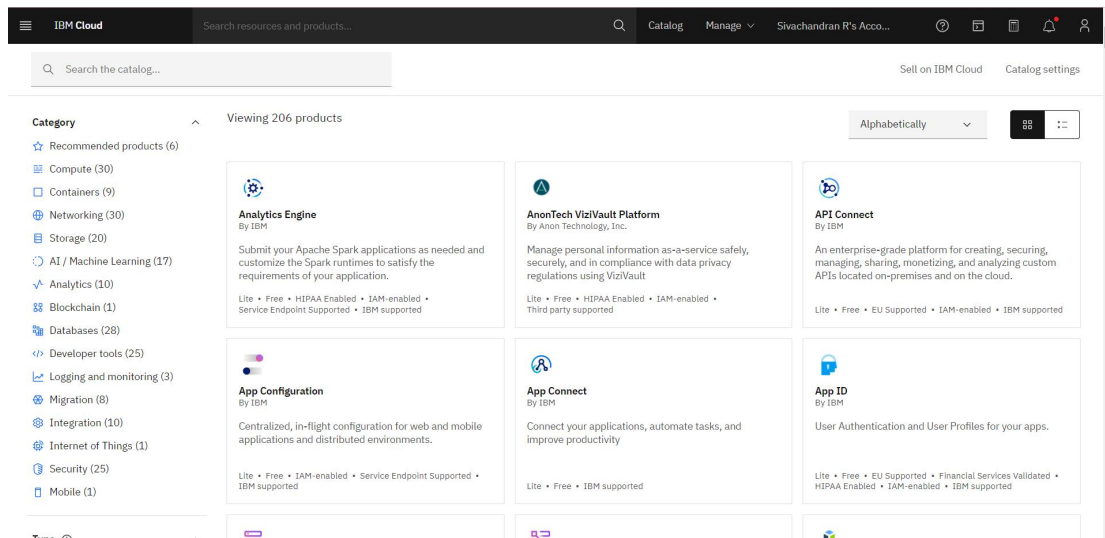
1.Firstly create an IBMcloud account with IBM Id and password



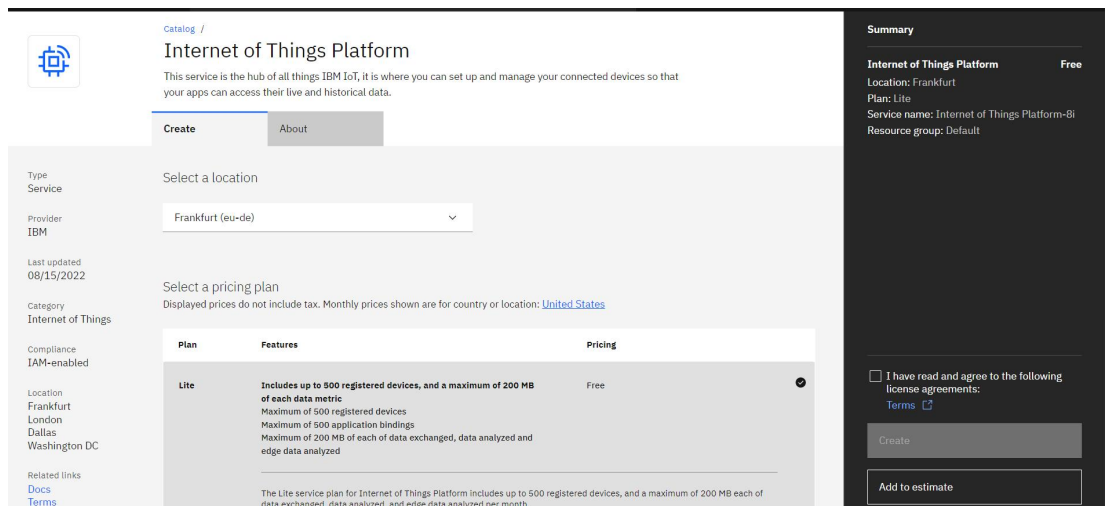
2.Home page of IBMcloud



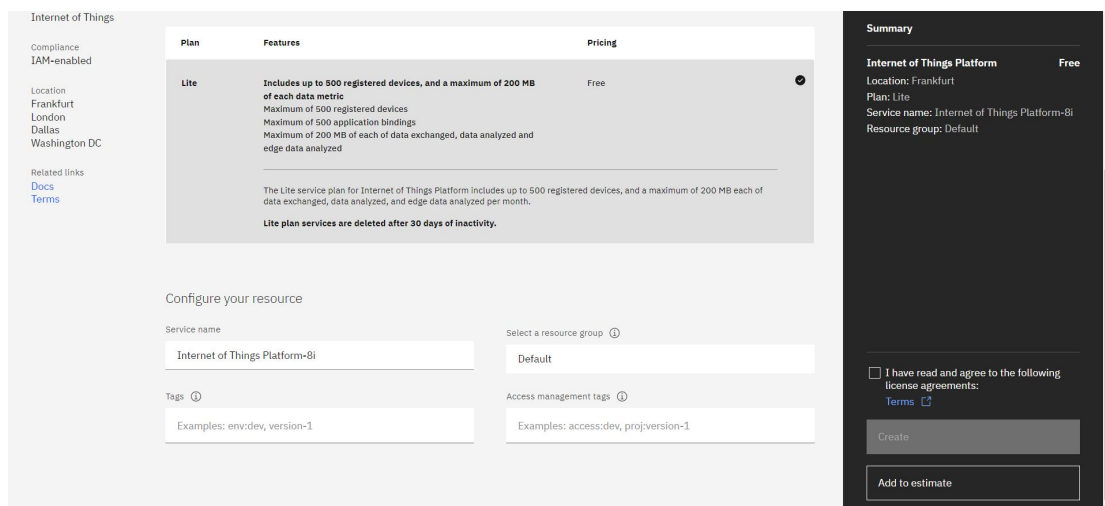
3. Click on the catalog on the top



Click on IoT in the category mentioned



4.If already a lite is present delete itelseu can't create another



5. Enter the location and in the configure your resource type the service name and choose the plan tick the agree with agreements And then click on create

IBM Cloud

Search resources and products...

Catalog Manage Sivachandran R's Acco...

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  
[Docs](#)  
[Terms](#)

Select a location

Dallas (us-south) ▼

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 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

The Lite service plan for Internet of Things Platform includes up to 500 registered devices, and a maximum of 200 MB each of data exchanged, data analyzed, and edge data analyzed per month.

Lite plan services are deleted after 30 days of inactivity.

Configure your resource

Summary

Internet of Things Platform Free

Location: Dallas

Plan: Lite

Service name: Internet of Things Platform-Bi

Resource group: Default

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

Create

Add to estimate

IBM Cloud

Search resources and products...

Catalog Manage Sivachandran R's Acco...

Internet of Things

Compliance  
IAM-enabled

Location  
Frankfurt  
London  
Dallas  
Washington DC

Related links  
[Docs](#)  
[Terms](#)

Plan	Features	Pricing
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Lite plan services are deleted after 30 days of inactivity.

Configure your resource

Service name  
Internet of Things Platform-child\_safety

Select a resource group  
Default

Tags  
Examples: env:dev, version-1

Access management tags  
Examples: access:dev, proj:version-1

Summary

Internet of Things Platform Free

Location: Dallas

Plan: Lite

Service name: Internet of Things Platform-child\_safety

Resource group: Default

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

Create

Add to estimate

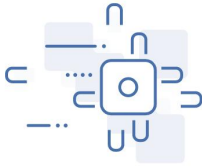
6. Internet of Things Platform Child\_safety will be created, where there are different options like manage, plan and connection (Manage is for launch, plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services)

Resource list / Internet of Things Platform-child\_safety 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

Resource list / Internet of Things Platform-child\_safety Active Add tags Details Actions...

**Manage**

**Plan**

Connections

**Current plan**

**Lite**

**Features**

- 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

**Current usage**

**N/A**

Lite plan services are deleted after 30 days of inactivity.

**Change pricing plan**

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

**Next Steps:**

7. Click on the launch button in the manage tab, it will open to this

IBM Watson IoT Platform Sign in

**Assets**

Collect data from **Assets** and make value from it

**About cookies on this site**

Our websites require some cookies to function properly (required). In addition, other cookies may be used with your consent to analyze site usage, improve the user experience and for advertising.

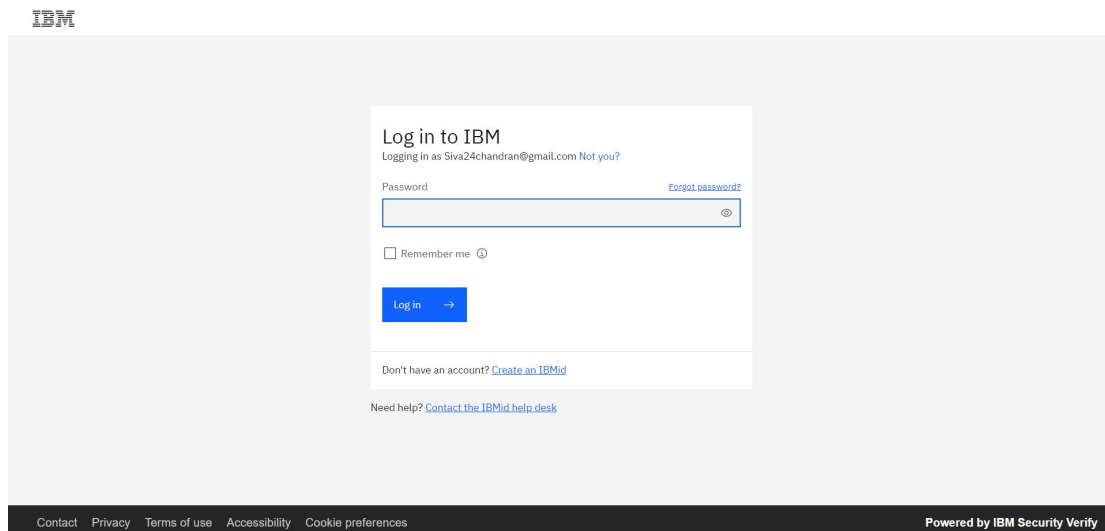
For more information, please review your [Cookie preferences](#) options and IBM's [privacy statement](#).

To provide a smooth navigation, your cookie preferences will be shared across the IBM web domains listed [here](#).

[Accept all](#)

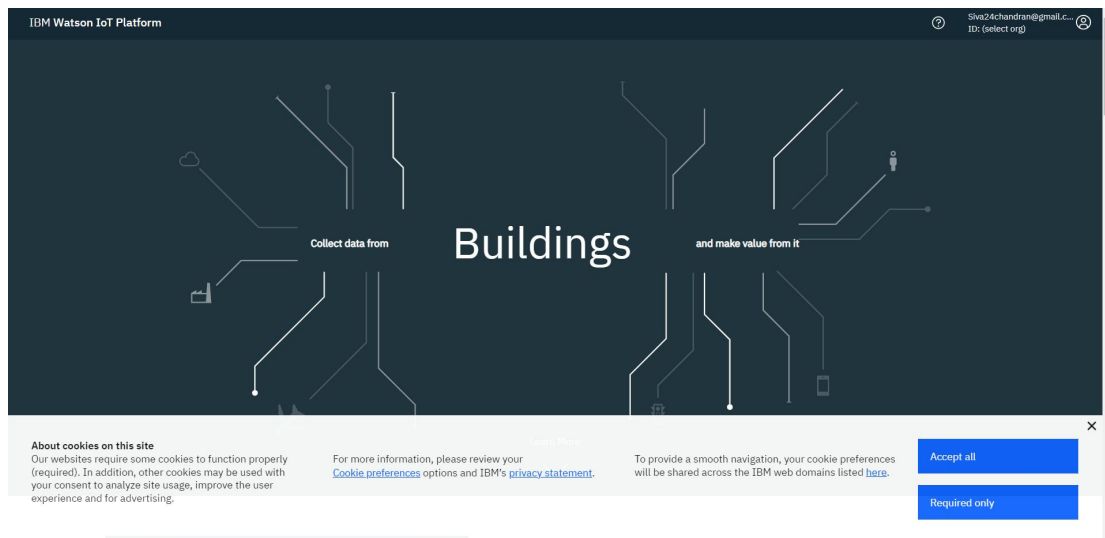
[Required only](#)

8. Enter the details to sign in to the Watson Cloud to create a device

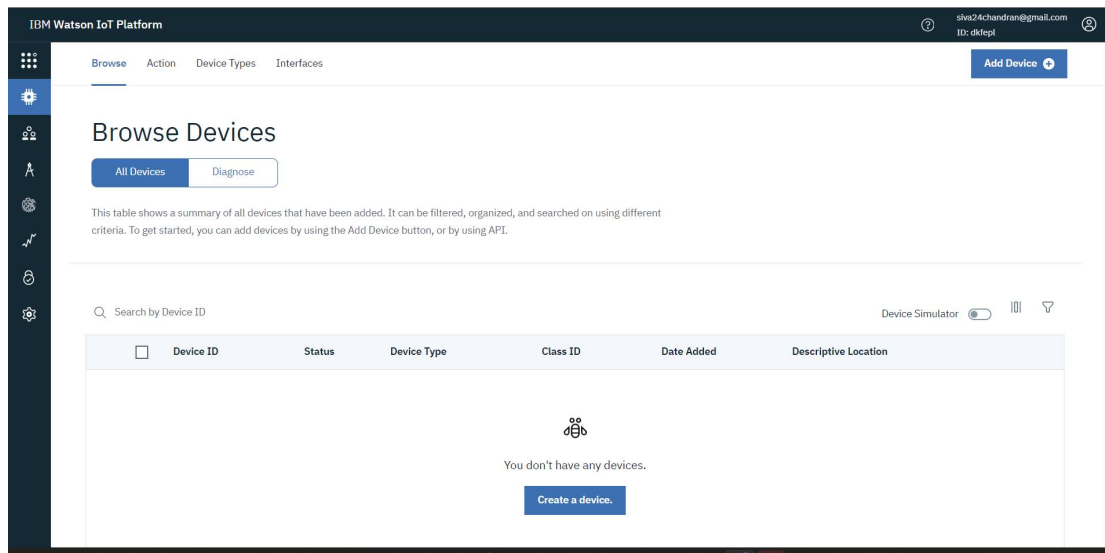


The image shows the IBM login page. At the top left is the IBM logo. The main content area is a white box with the title "Log in to IBM". Below the title, it says "Logging in as Siva24chandran@gmail.com" with a link "Not you?". There is a "Password" label and a text input field. To the right of the input field is a link "Forgot password?". Below the input field is a checkbox labeled "Remember me" with a help icon. A blue "Log in" button with a right arrow is below the checkbox. At the bottom of the white box, it says "Don't have an account? [Create an IBMid](#)". Below the white box is a link "Need help? [Contact the IBMid help desk](#)". The footer is a dark bar with links "Contact", "Privacy", "Terms of use", "Accessibility", "Cookie preferences" on the left and "Powered by IBM Security Verify" on the right.

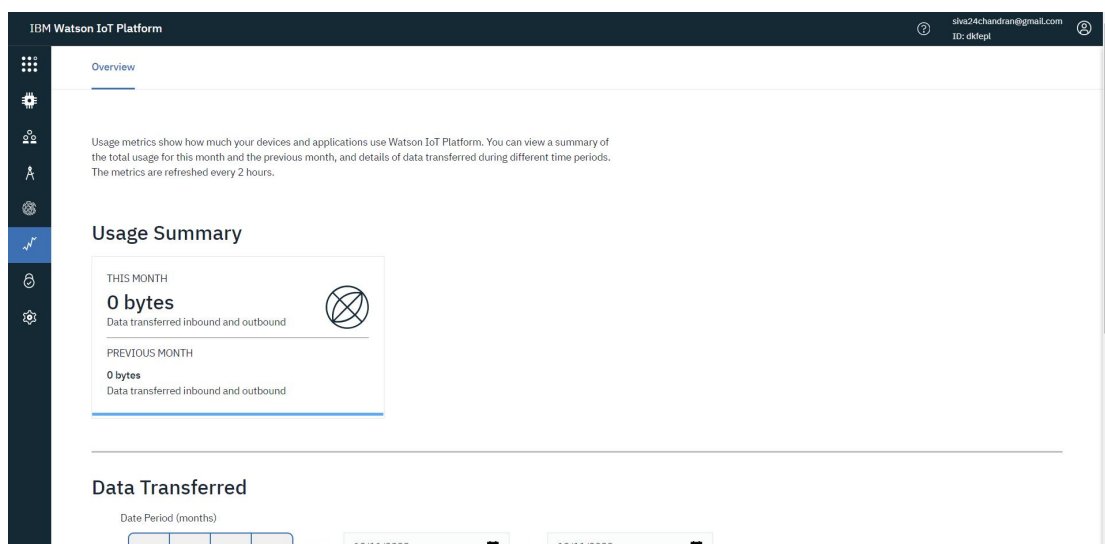
9. Once logged in the name will be displayed and it goes back to the first pag



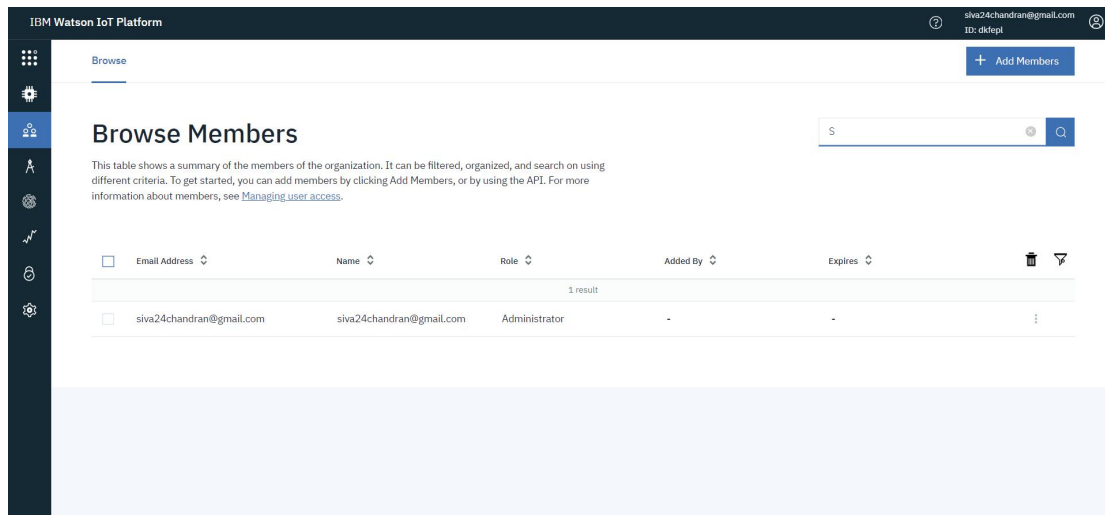
10. And again clicking on the launch button will open this tab, the device will help in the creation of the device, the addition of devices, and the display of details of the devices



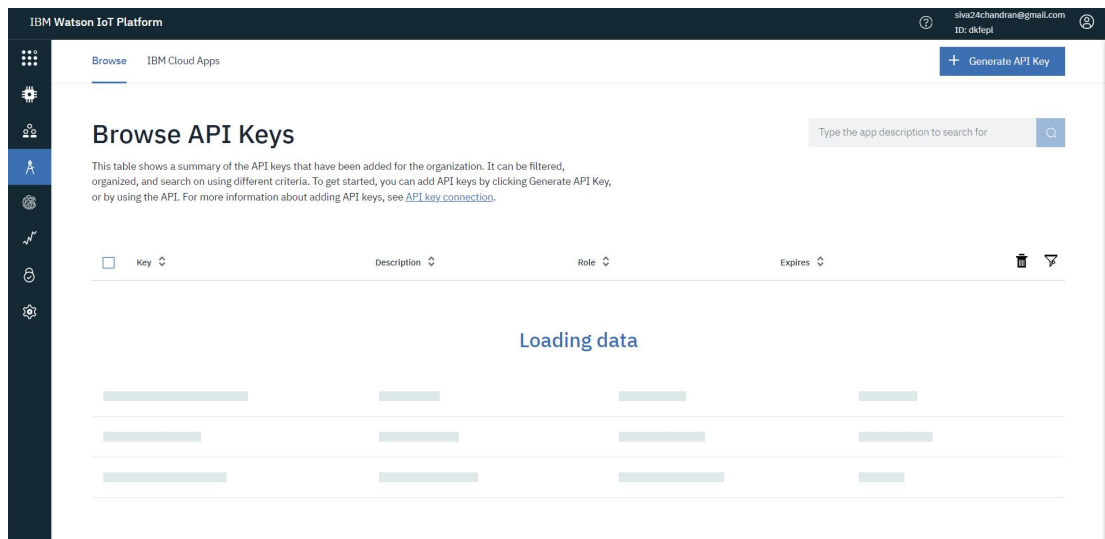
11. Usage gives the summary of how many bytes are used between the devices and the IBMcloud.



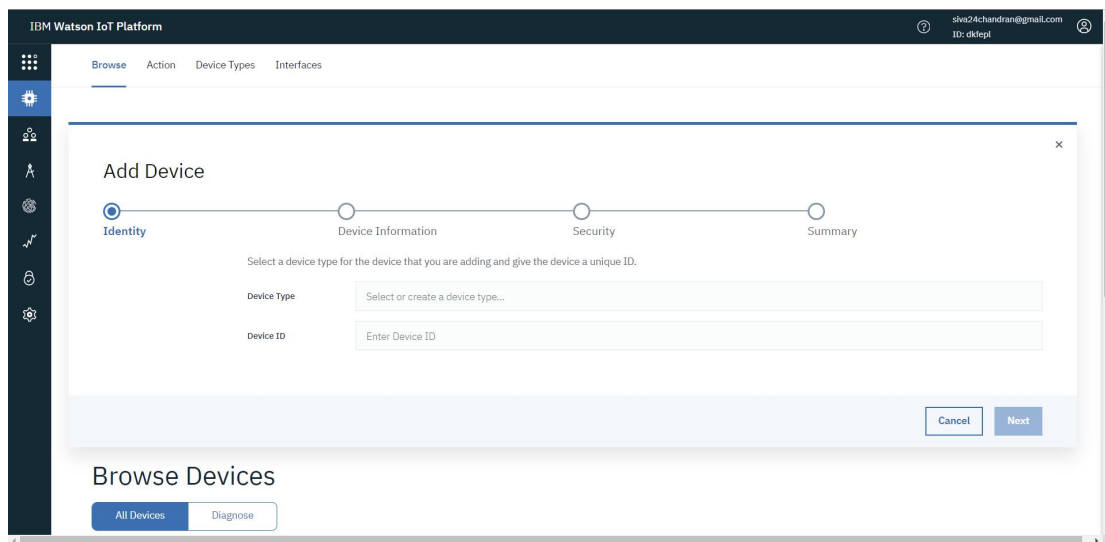
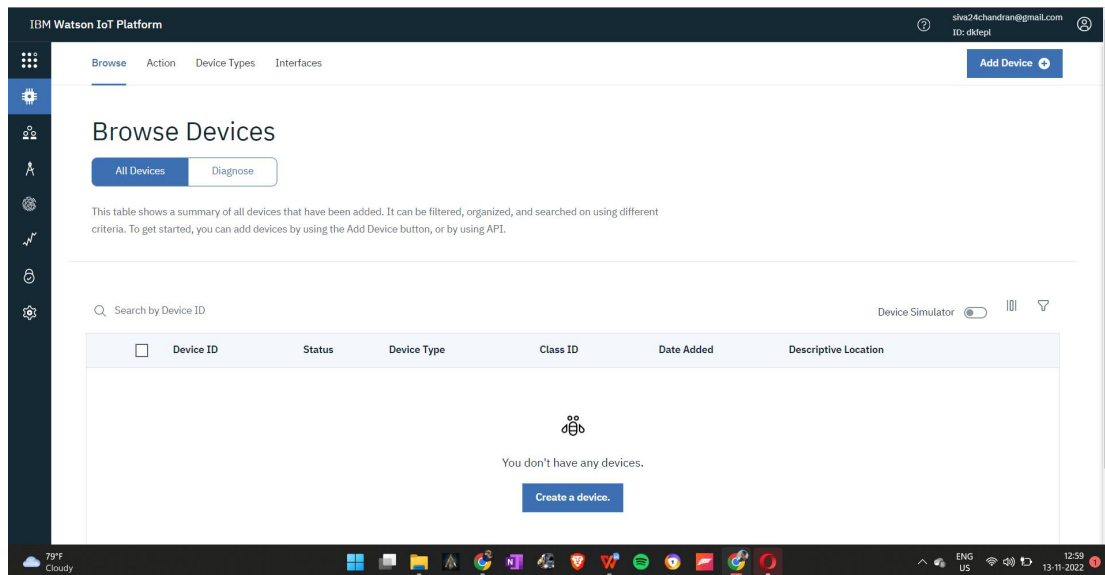
12. The member tab is add the teams members to work in the platform



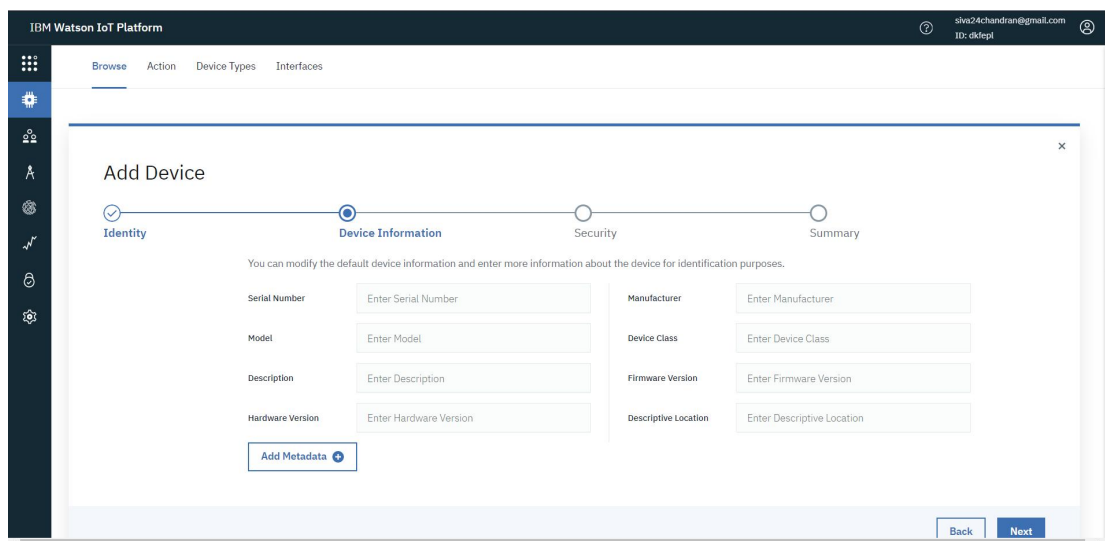
13.This tab is used when you want to connect to some other platform and to integrate with other services



14. Click on the device tab and click on the add device button, Then give the device type and device id and click nex

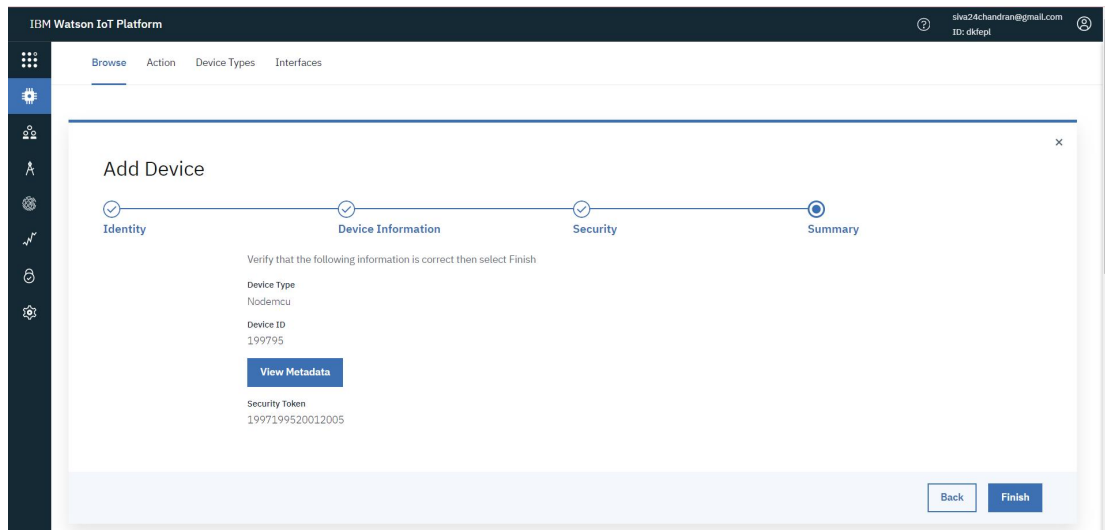


15. This page to enter extra details and of the hardware

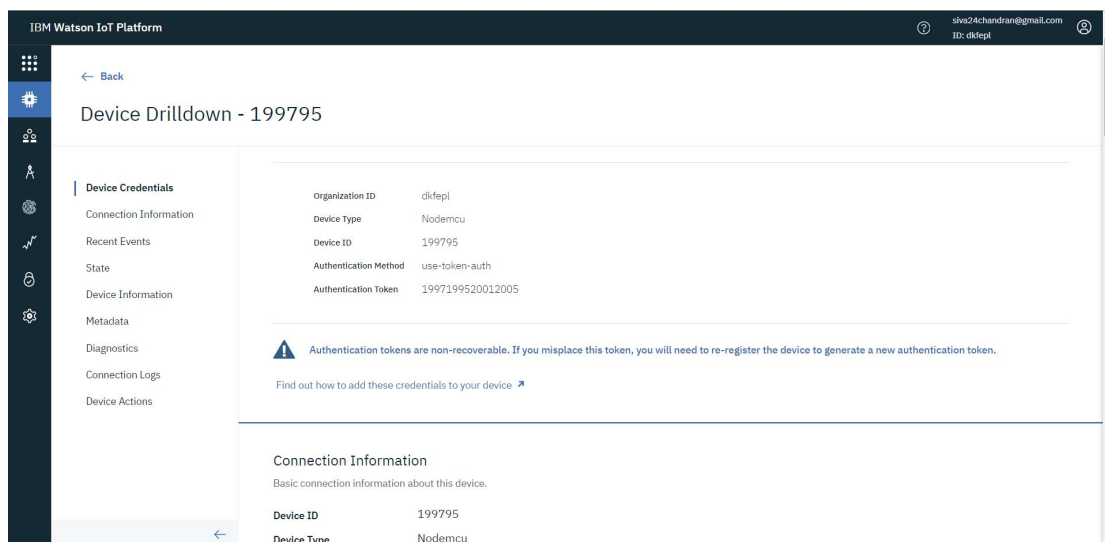




17. Clicking on next it goes to the summary of the device then click finish



18. The device credentials will be displayed with all the details



19. Save the details of the device as the authentication tokens are non-recoverable and if misplaced then we have to create a new one

IBM Watson IoT Platform

Device Drilldown - 199795

Device Credentials

Organization ID: dkfepl

Device Type: Nodemcu

Device ID: 199795

Authentication Method: use-token-auth

Authentication Token: 1997199520012005

Connection Information

Basic connection information about this device.

Authentication tokens are non-recoverable. If you

Find out how to add these credentials to your device

Ln 12, Col 1

20. Clicking on the device tab we can now see the details of a device. Clicking on it will display the other details. It has different tabs like identity, device information, State and log

IBM Watson IoT Platform

Device ID: 199795

Status: Disconnected

Device Type: Nodemcu

Class ID: Device

Date Added: 13 Nov 2022 16:40

Descriptive Location

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

Waiting for device events...

IBM Watson IoT Platform

Device ID: 199795

Status: Disconnected

Device Type: Nodemcu

Class ID: Device

Date Added: 13 Nov 2022 16:40

Descriptive Location

Identity

Device Information

Recent Events

State

Logs

Device ID: 199795

Device Type: Nodemcu

Date Added: 13 Nov 2022 16:40

Added By: siva24chandran@gmail.com

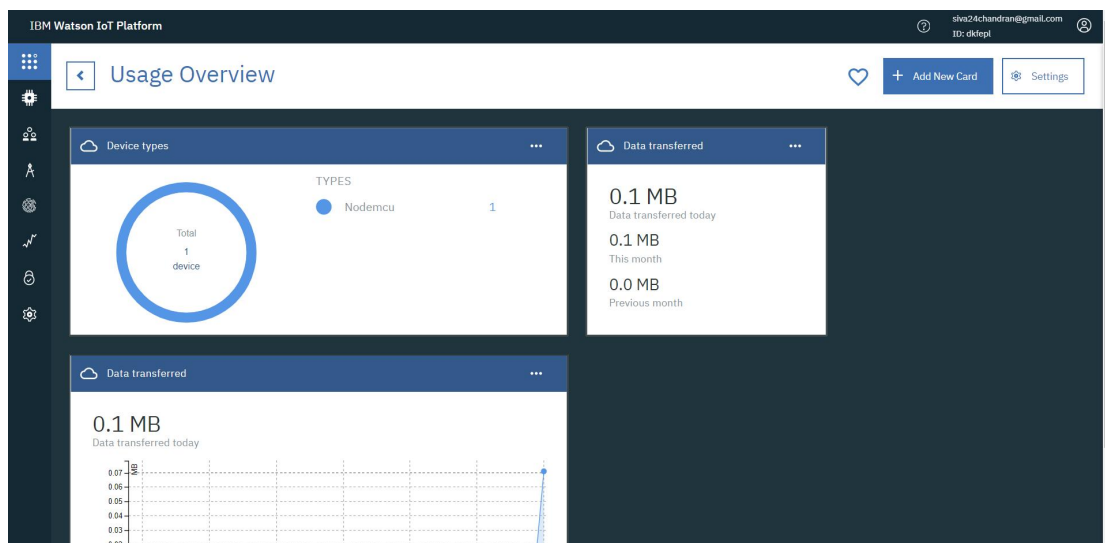
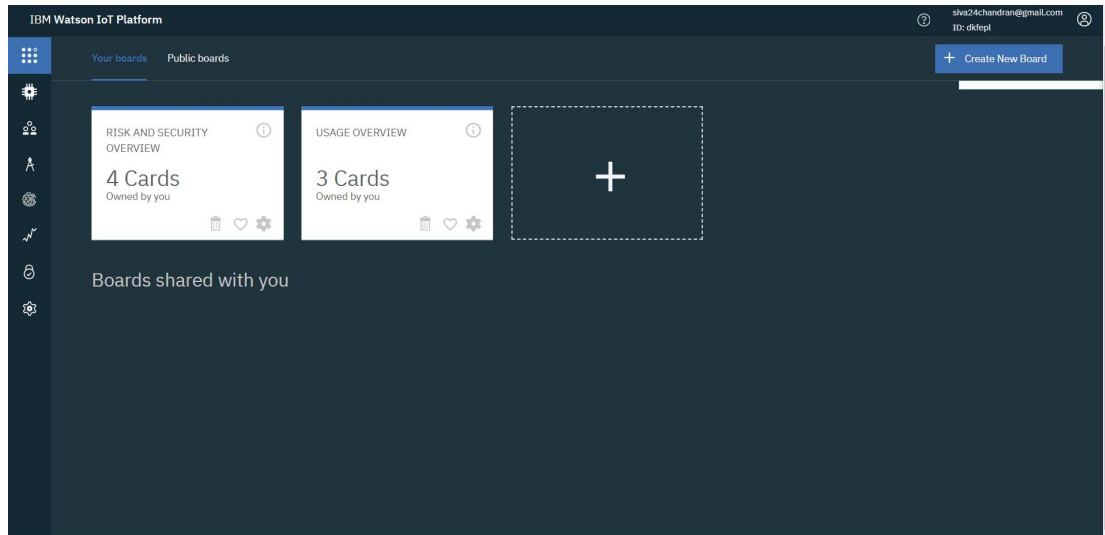
Connection Status: Disconnected

Items per page: 50

1 of 1 page

In a similar way, we can create n number of devices with a 50 per page limit as per the requirement of our project

## 20. The Boards will display card for the project



### RESULT:

An IBM watson cloud for IOT and a device is created