

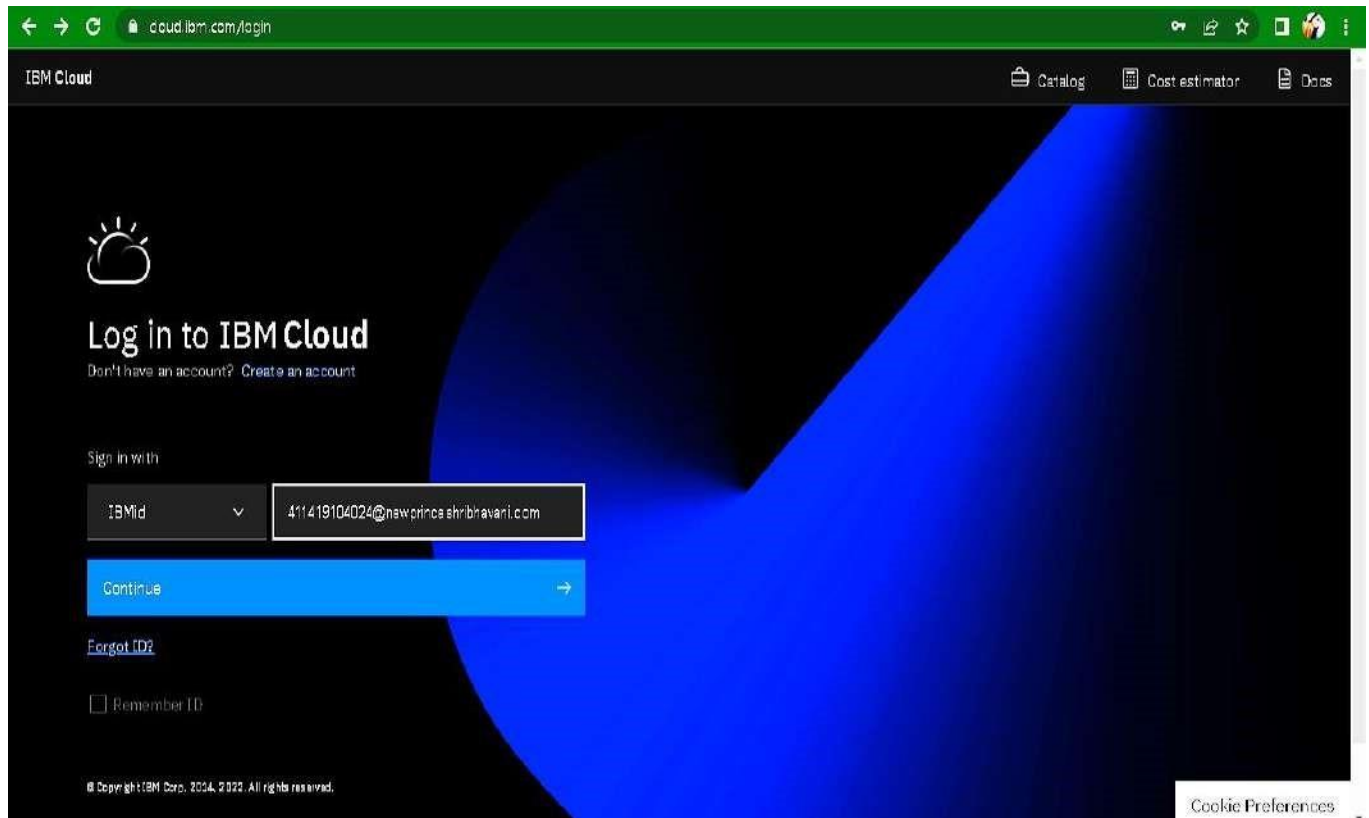
Create And Configure IBM Cloud Service

Create IBM Watson IoT Platform And Device

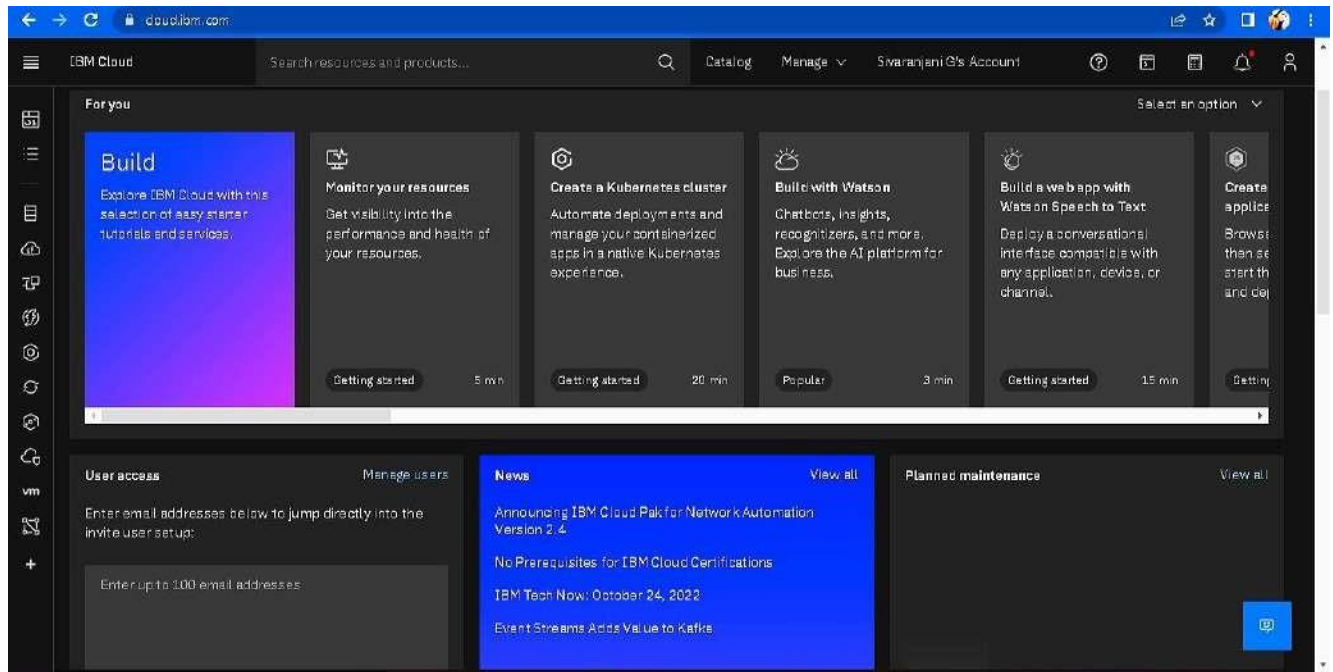
Date	24 October 2022
Team ID	PNT2022TMID02431
Project Name	IoT Based Safety Gadget For Child Safety Monitoring & Notification
Maximum Marks	4 Marks

STEPS

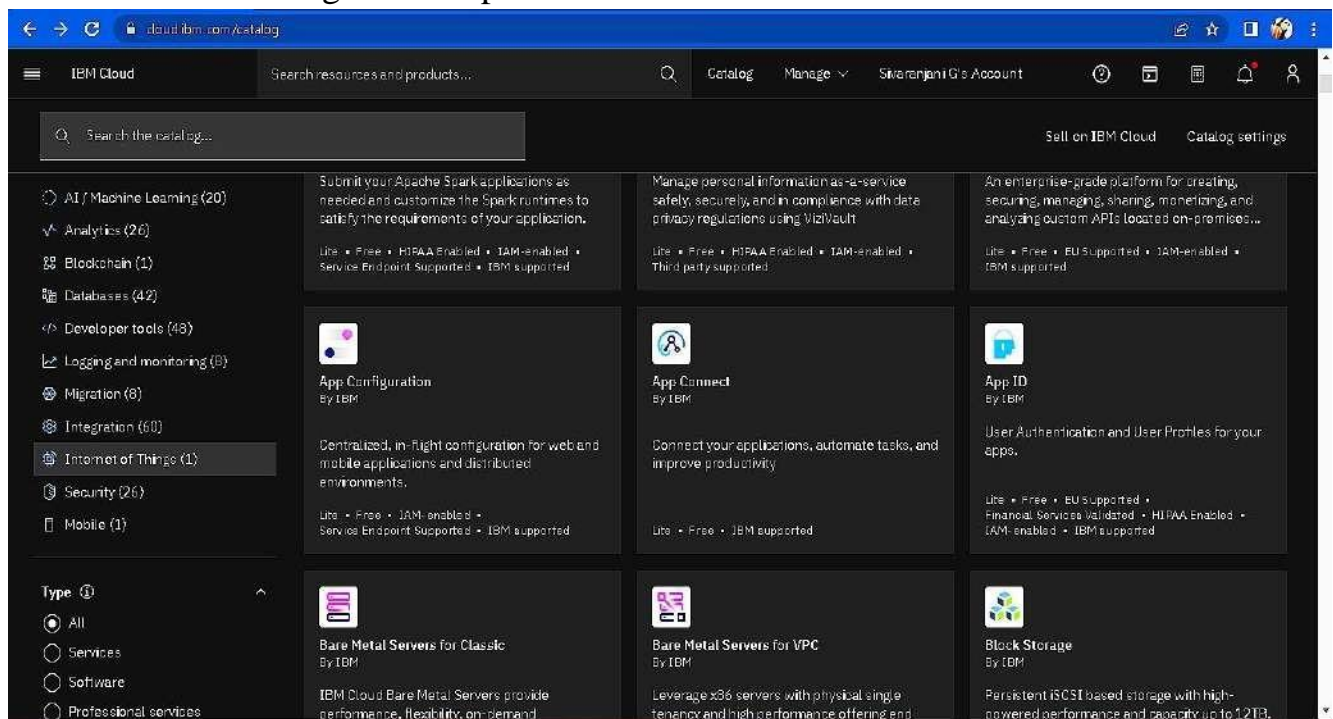
1. Firstly create an IBM cloud account with IBMid and password



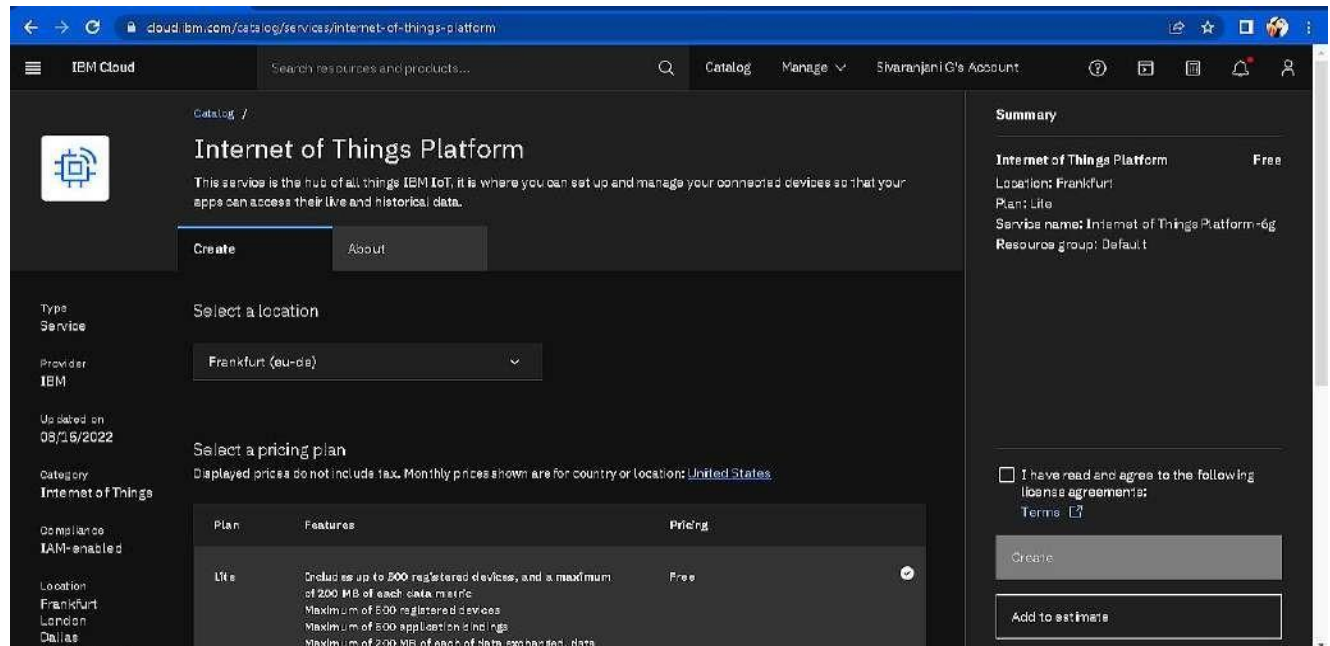
2. Home page of IBM cloud



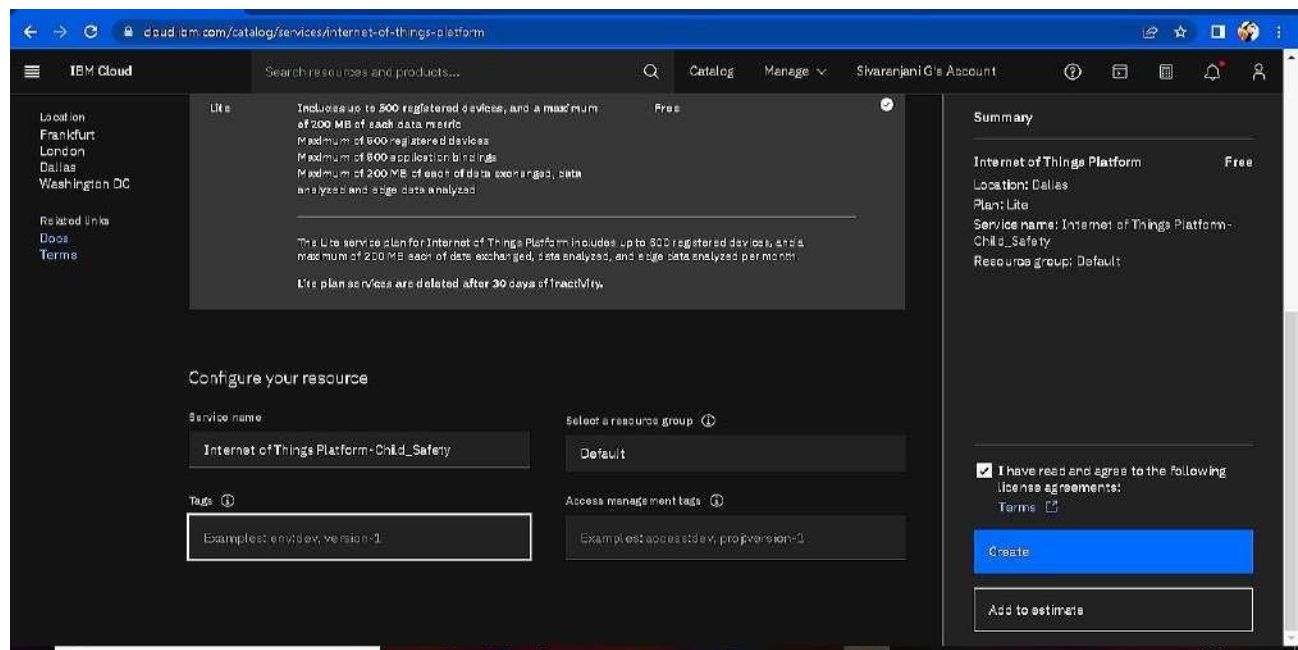
3. Click on the catalog on the top



4. Click on IoT in the category mentioned



5. If already a lite is present delete it else u can't create another



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

The screenshot shows the IBM Cloud catalog page for the Internet of Things Platform. The 'Create' tab is active. The location is set to 'Frankfurt (eu-de)'. The pricing plan 'Life' is selected, which includes up to 500 registered devices and 200 MB of data per month. The summary on the right shows the service is free and includes details about the location, plan, and service name.

Internet of Things Platform
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.

Create | **About**

Type: Service
Provider: IBM
Updated on: 08/16/2022
Category: Internet of Things
Compliance: IAM-enabled
Location: Frankfurt, London, Dallas

Select a location: **Frankfurt (eu-de)**

Select a pricing plan
Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Life	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
Location: Frankfurt
Plan: Life
Service name: Internet of Things Platform-6g
Resource group: Default

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

Create | **Add to estimate**

The screenshot shows the same IBM Cloud catalog page for the Internet of Things Platform, but with the location set to 'Dallas (us-south)'. The pricing plan 'Life' remains selected. The summary on the right reflects the change in location to Dallas. The 'Create' button is now highlighted in blue.

Internet of Things Platform
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.

Create | **About**

Type: Service
Provider: IBM
Updated on: 08/16/2022
Category: Internet of Things
Compliance: IAM-enabled
Location: Frankfurt, London, Dallas, Washington DC

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
Life	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
Location: Dallas
Plan: Life
Service name: Internet of Things Platform-6g
Resource group: Default

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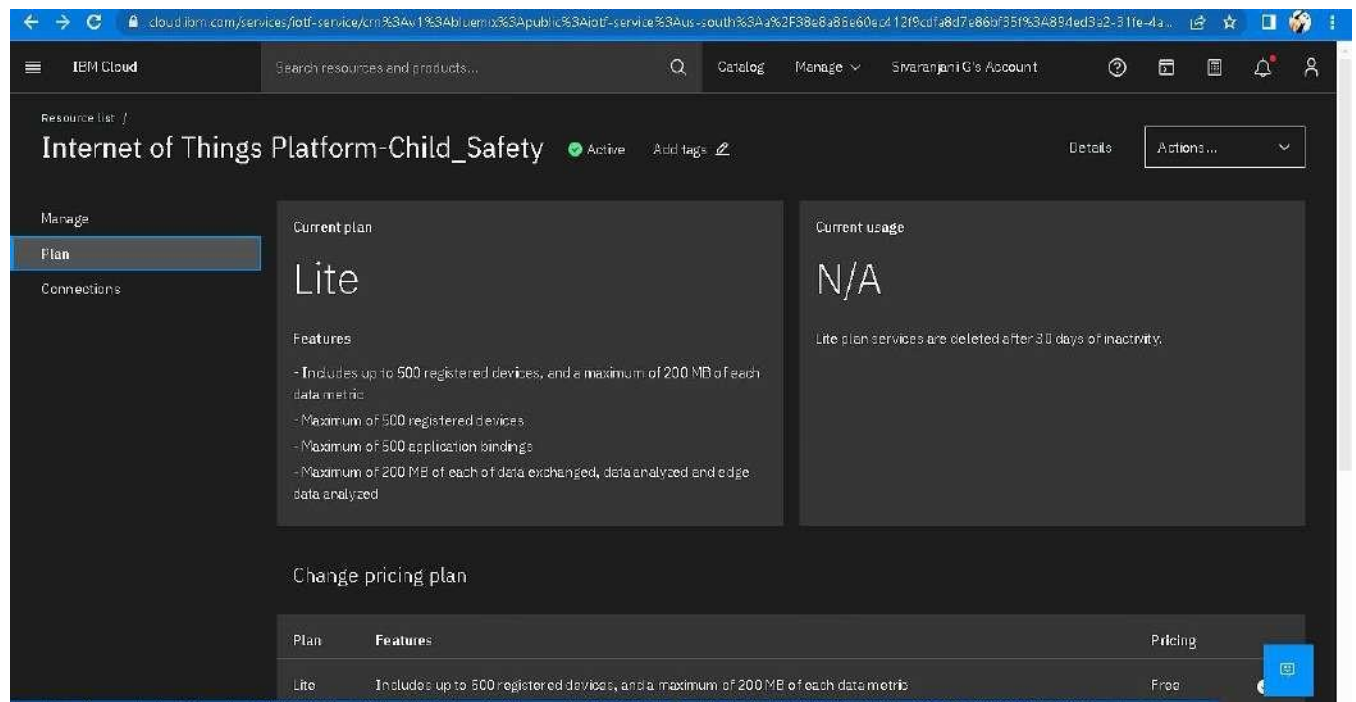
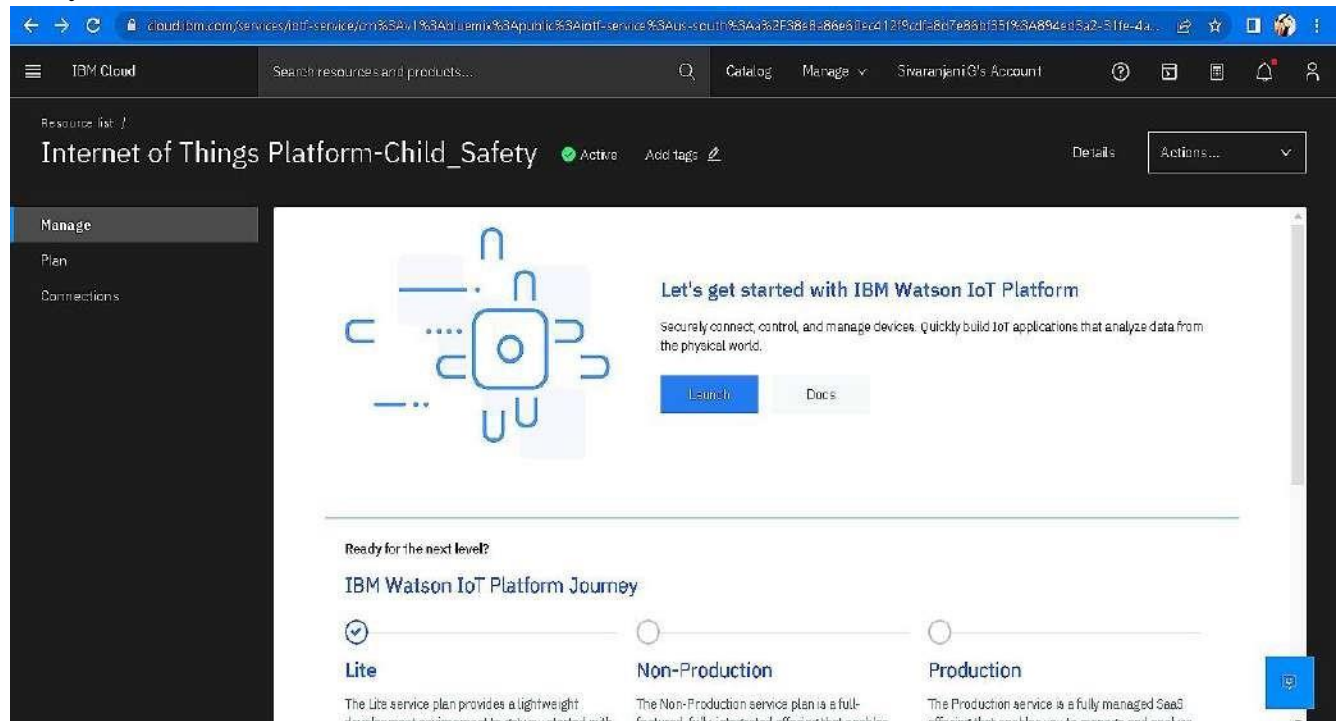
Create | **Add to estimate**

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

The Life service plan for Internet of Things Platform includes up to 500 registered devices, and a maximum of 200 MB of each of data exchanged, data analyzed, and edge data analyzed per month.
Life plan services are ordered after 30 days of inactivity.

7. Internet of Things Platform Child_safety will be created, where there are different options like manage, plan, and connection (manage is for launch,

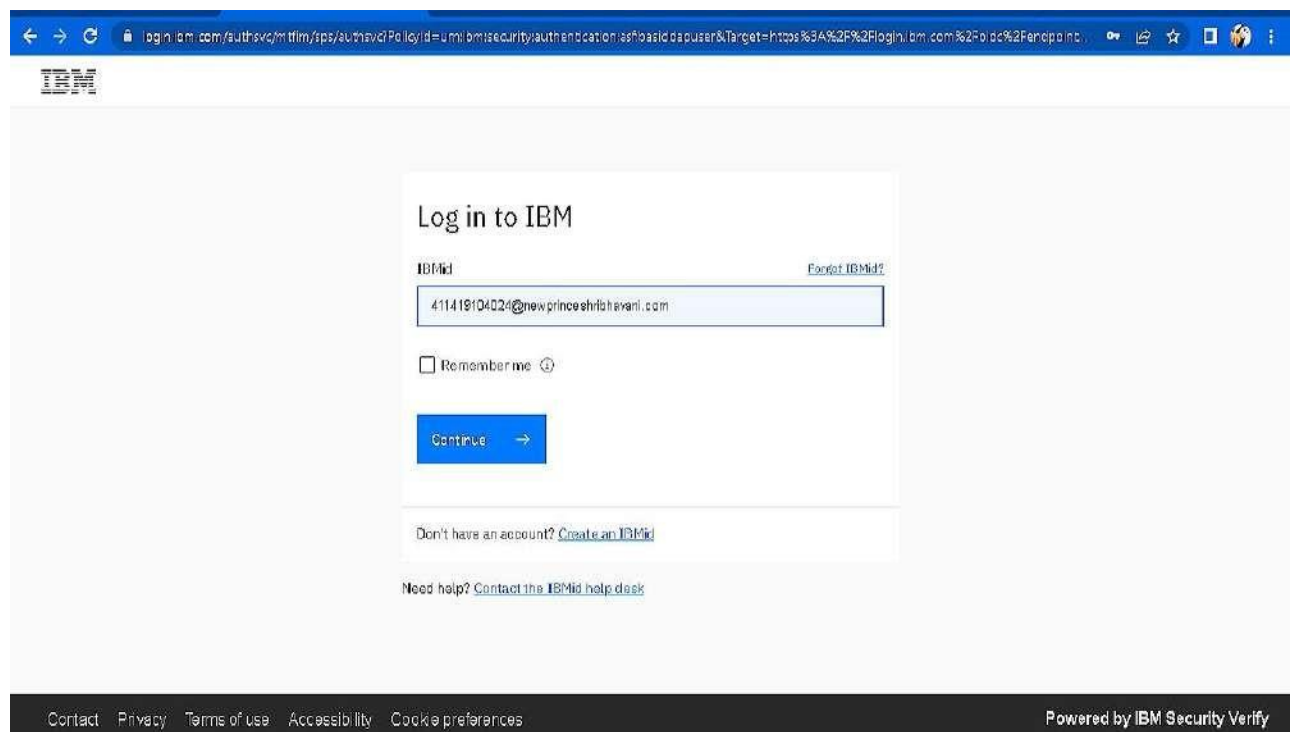
Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services)



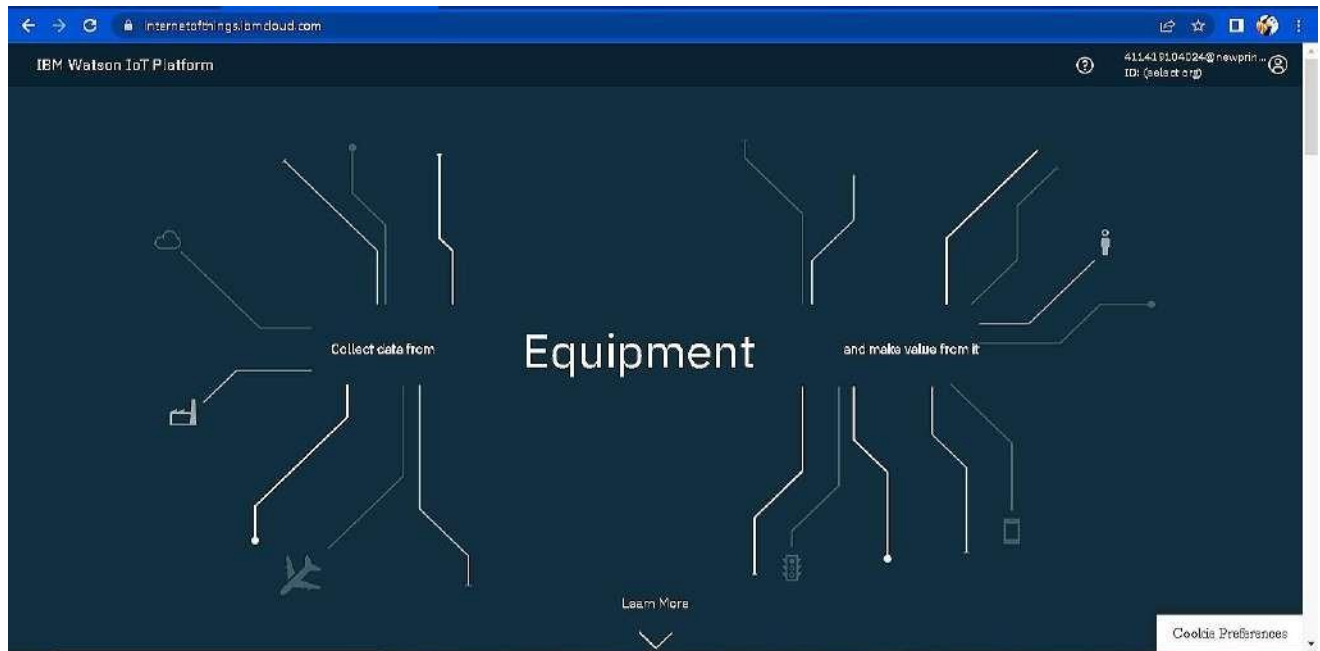
8. Clicking on the launch button in the manage tab, it will open to this



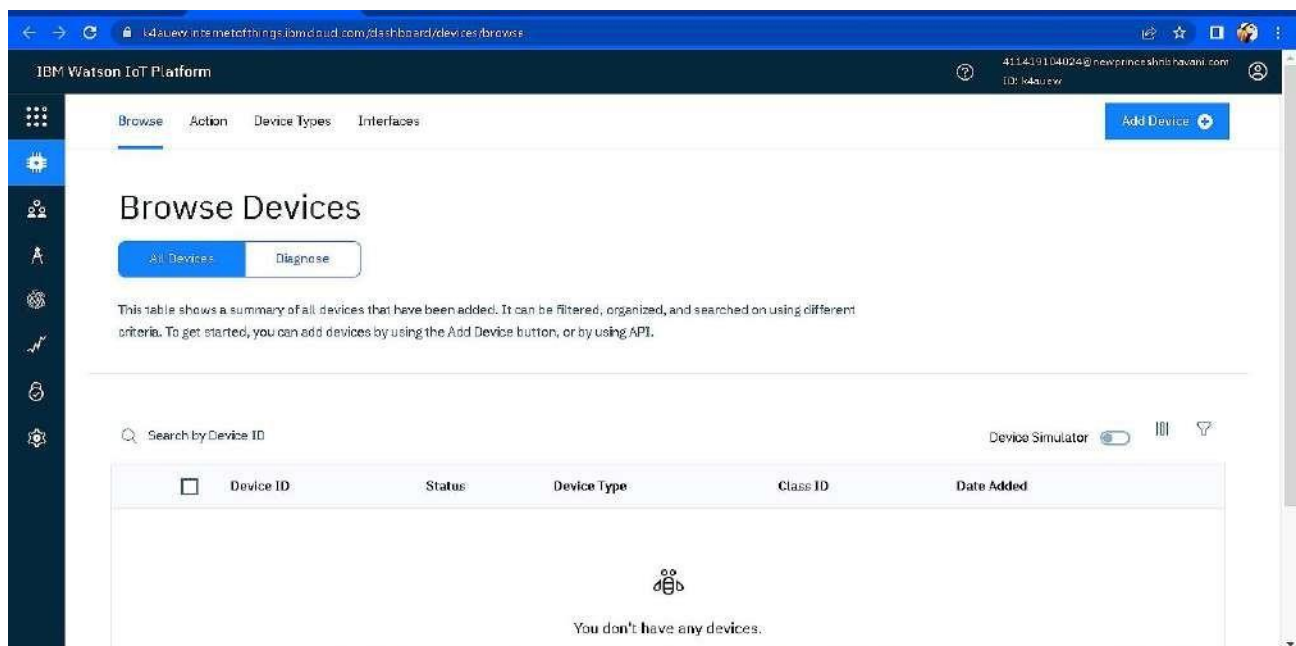
9. Enter the details to sign in to the Watson Cloud to create a device



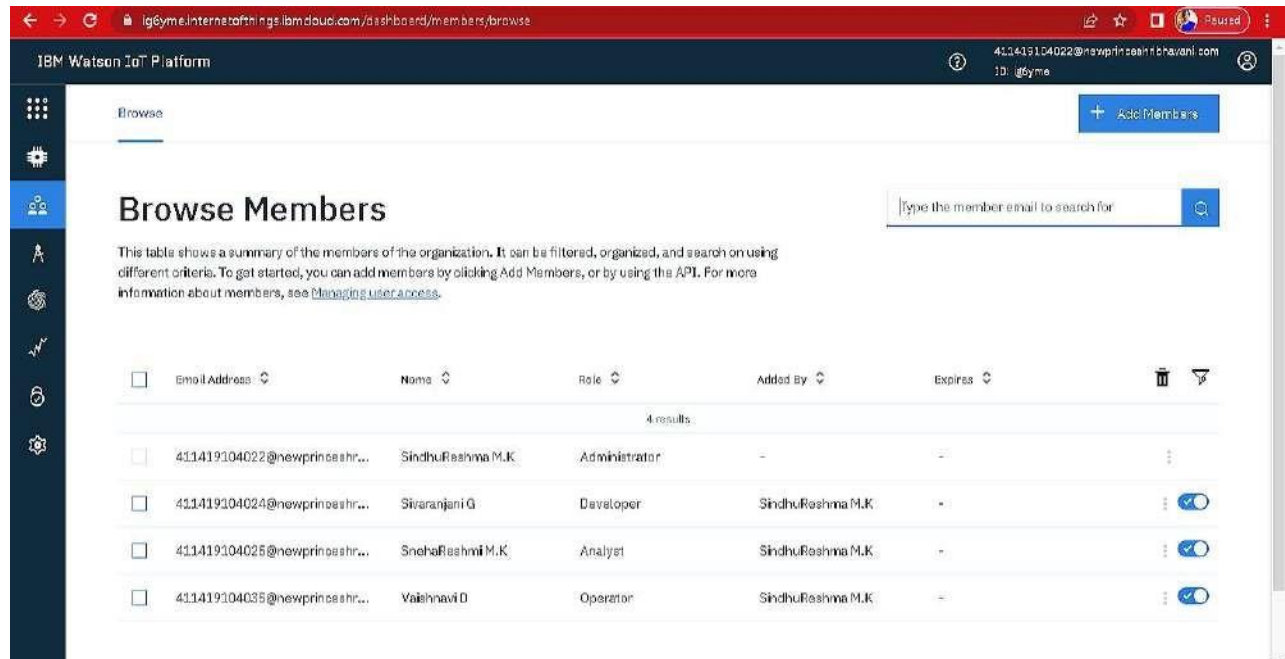
10. Once logged in the name will be displayed and it goes back to the first page



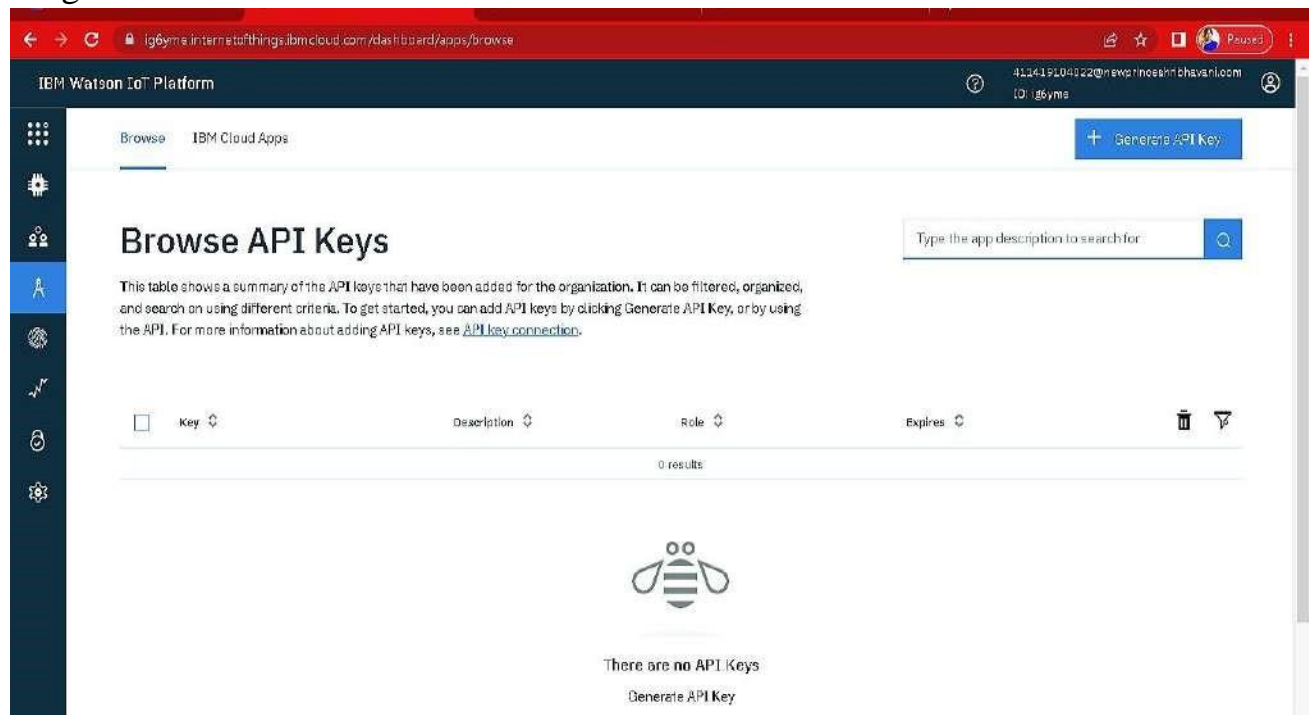
11. And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display of details of the devices



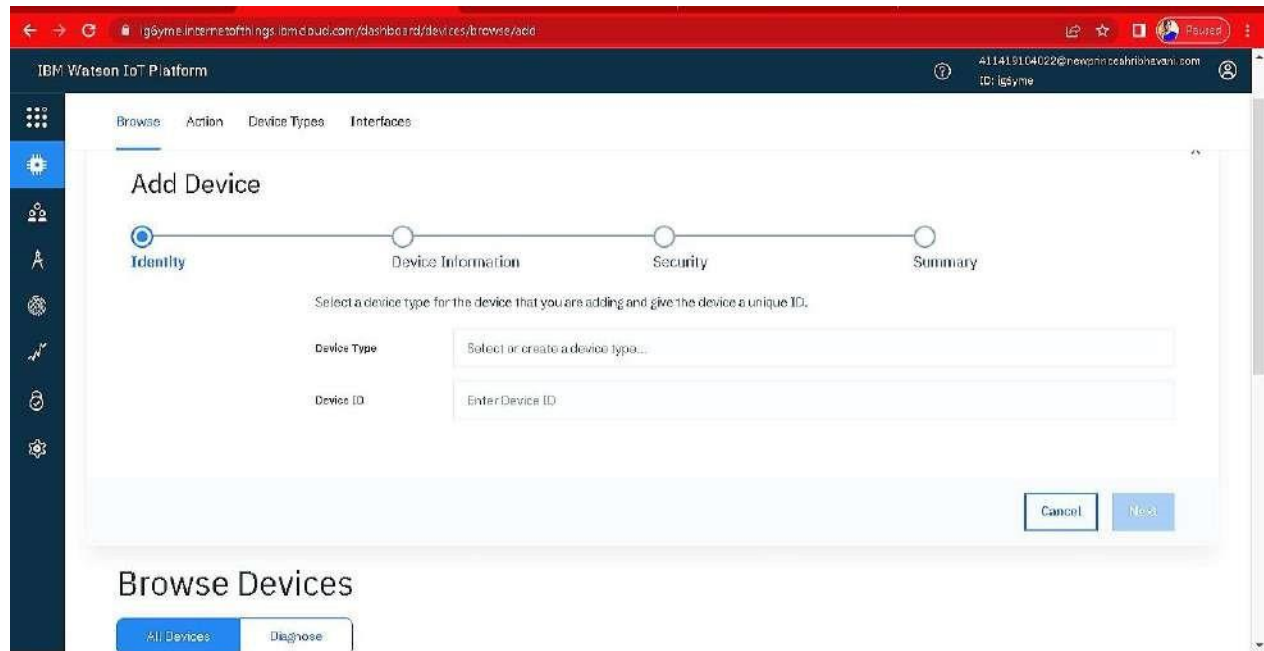
12. The member tab is add the teams members to work in the platform



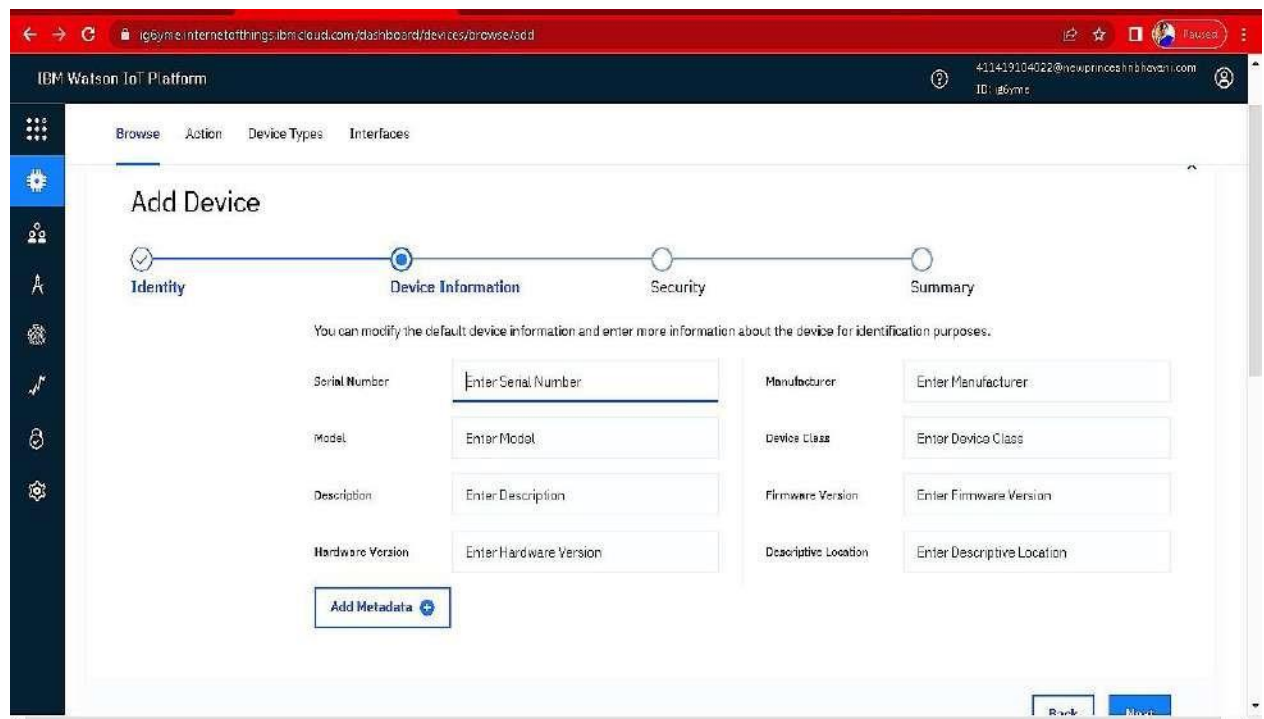
13.This tab is used when you want to connect to some other platform and to integrate with other services.



14.Click on the device tab and click on the add device button, then give the device type and device id and click next

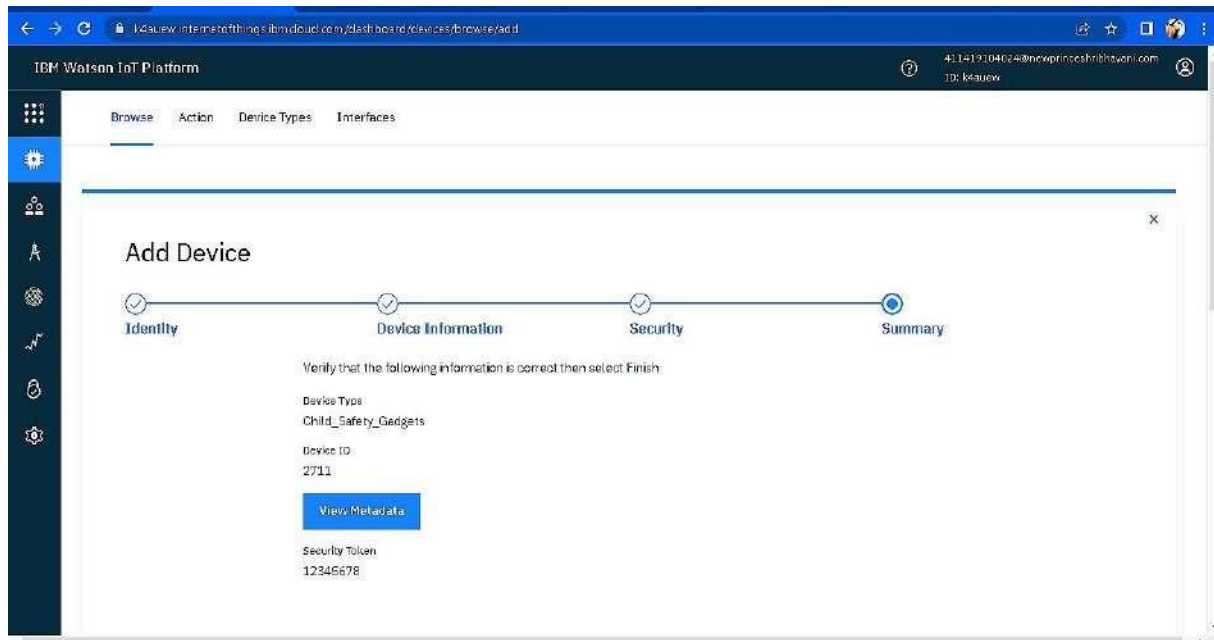


15. This page to enter extra details and of the hardware

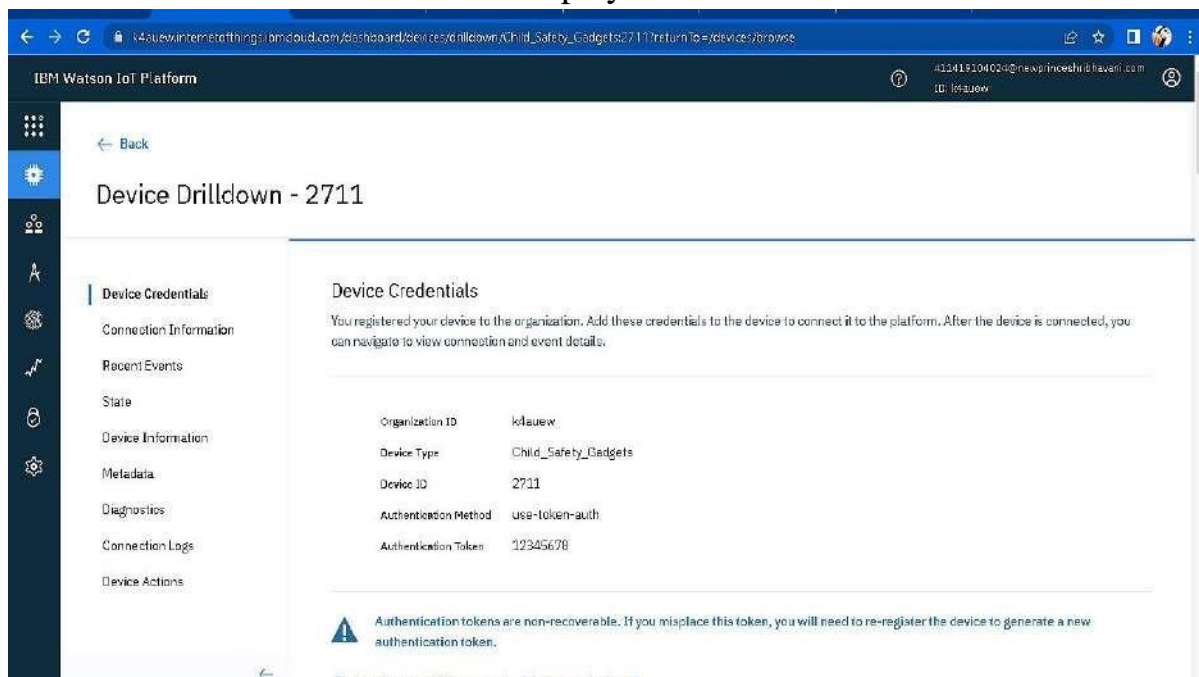


16. Clicking next it goes to the security where we do authentication token id.

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



Safe the details of the device as the authentication tokens are nonrecoverable and if misplaced then we have to create a new one.

19. Clicking on the device tab we can now see the added device. Clicking on it will display the other details.

It has different tabs like Identity, Device Information, State and login.

IBM Watson IoT Platform

411419104024@newprinceshribhavani.com
ID: k5auew

Browse Action Device Types Interfaces

Add Device +

Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
<input type="checkbox"/>	2711	Disconnected	Child_Safety_Gadgets	Device	Oct 30, 2022 9:00 PM

Items per page: 50 | 1-1 of 1 item

1 of 1 page

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411419104024@newprinceshribhavani.com
ID: k5auew

Browse Action Device Types Interfaces

Add Device +

criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

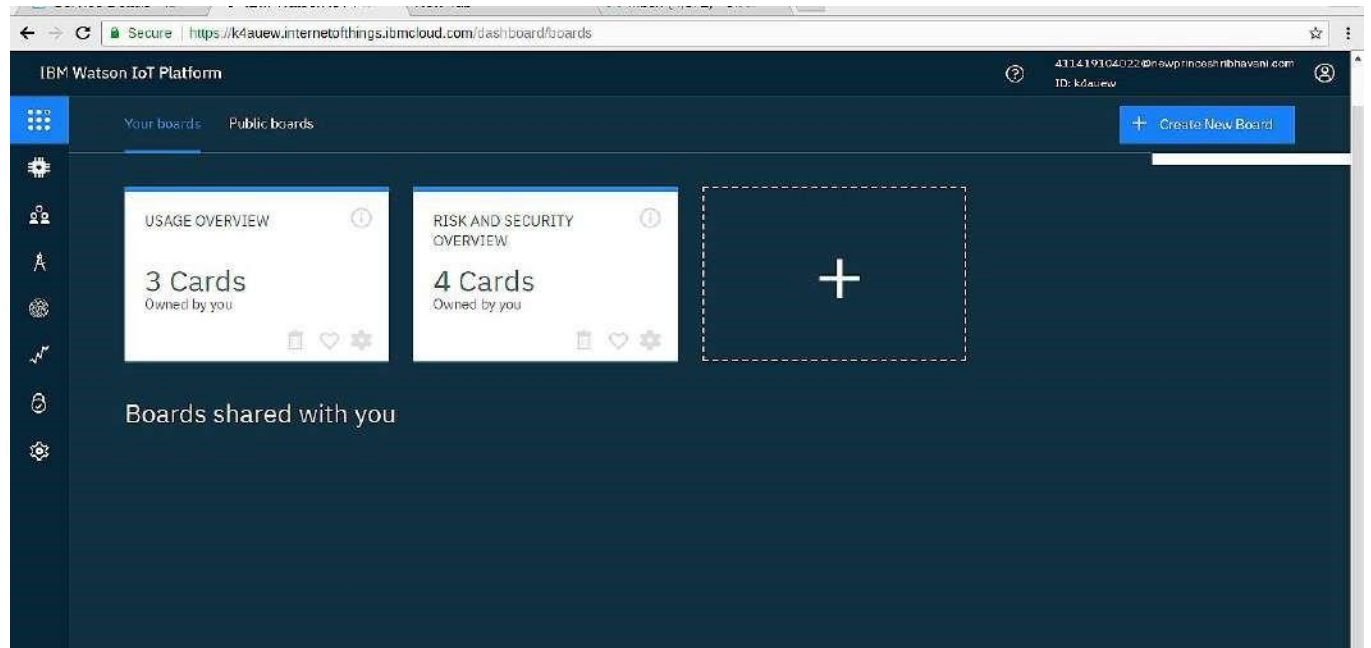
Device Simulator

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	
<input checked="" type="checkbox"/>	2711	Disconnected	Child_Safety_Gadgets	Device	Oct 30, 2022 9:00 PM	→ ...

Identity	Device Information	Recent Events	State	Logs
Device ID	2711			
Device Type	Child_Safety_Gadgets			
Date Added	Oct 30, 2022 9:00 PM			
Added By	411419104024@newprinceshribhavani.com			
Connection Status	Disconnected			

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

TEAM ID : PNT2022TMID37924
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TEAM MEMBER 1 : G.SIVARANJANI
TEAM MEMBER 2 : M. K.SNEHA RESHMA
TEAM MEMBER 3 : D. VAISHNAVI
TEAM SIZE : 4

MENTOR

: G. SIMI MARGARET