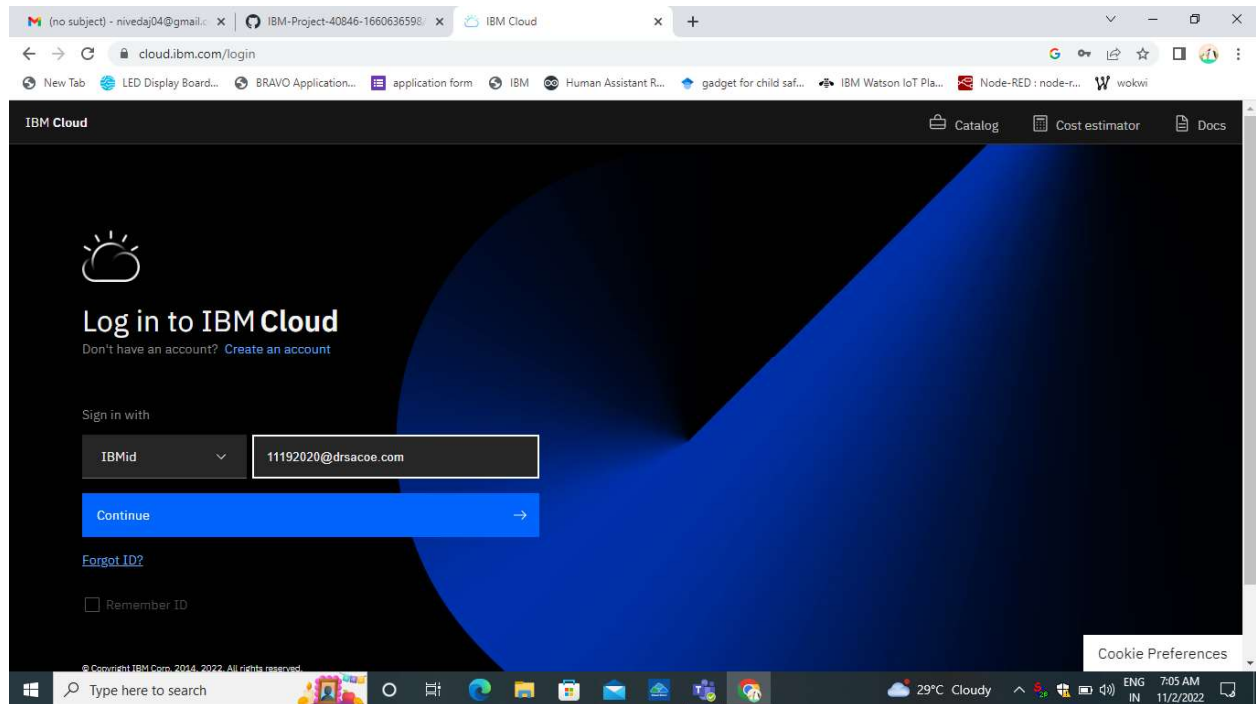


Create And Configure IBM Cloud Service Create IBM Watson IoT Platform And Device

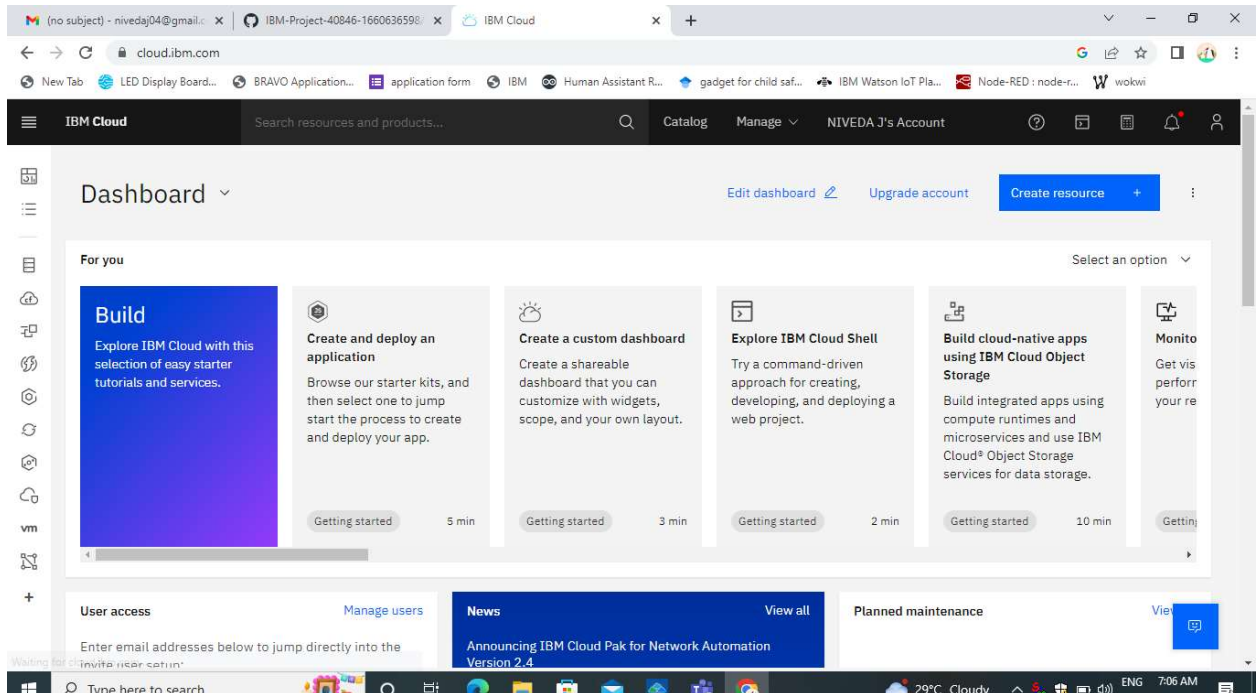
Date	24 October 2022
Team ID	PNT2022TMID49797
Project Name	IoT Based Safety Gadget For Child Safety Monitoring & Notification
Maximum Marks	4 Marks

STEPS

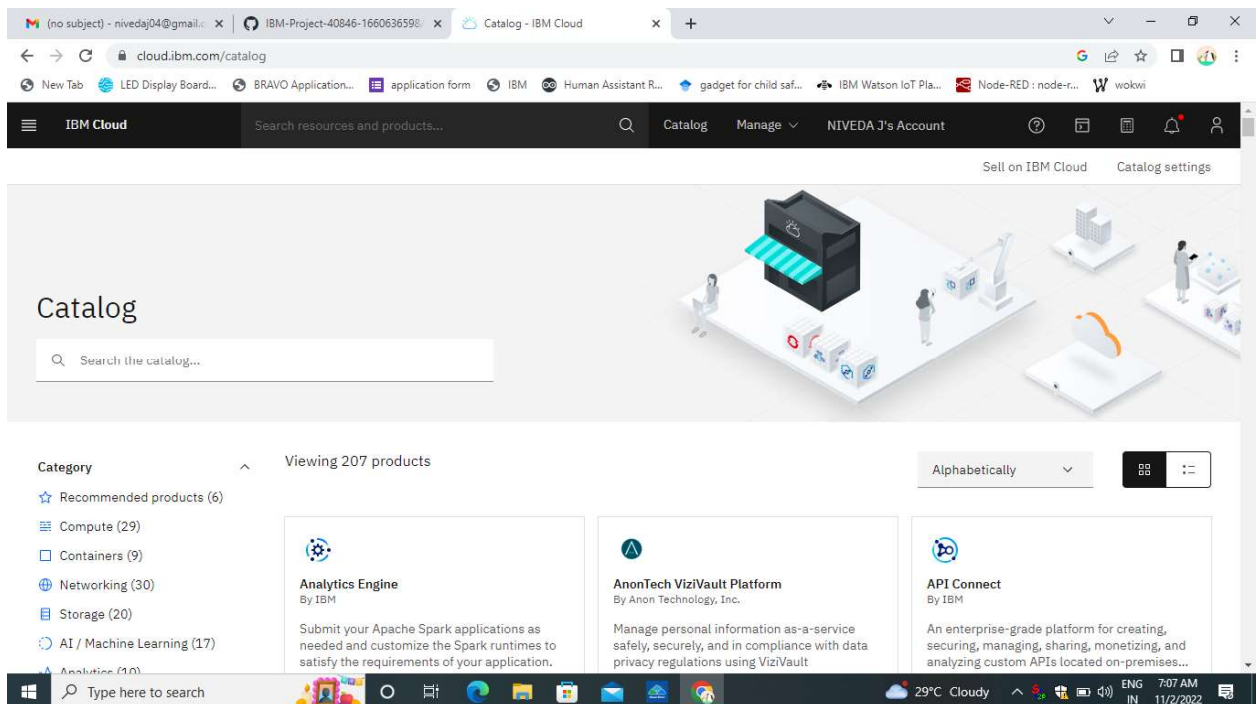
1. Firstly create an IBM cloud account with IBMid and password



2. Home page of IBM cloud



3. Click on the catalog on the top



4. Click on IoT in the category mentioned

IBM Cloud Catalog / 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

Last updated 08/15/2022

Category Internet of Things

Compliance IAM-enabled

Location Frankfurt London

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
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	Free

Summary

Internet of Things Platform Free

Location: Frankfurt

Plan: Lite

Service name: Internet of Things Platform-y1

Resource group: Default

Existing Lite plan instance

You can have only 1 Lite plan instance of this service per resource group. [Delete](#) your current Lite plan instance in Default resource group to create a new one, or [view the existing instance](#).

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

Create

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

IBM Cloud Catalog / Internet of Things Platform

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Create **About**

Type Service

Provider IBM

Last updated 08/15/2022

Category Internet of Things

Compliance IAM-enabled

Location Frankfurt London Dallas Washington DC

Summary

This service is the hub for IBM Watson IoT and lets you communicate with and consume data from connected devices and gateways. Use the built-in web console dashboards to monitor your IoT data and analyze it in real time. Then, enhance and customize your IBM Watson IoT Platform experience by building and connecting your own apps by using messaging and REST APIs.

Features

Connect

Quickly and securely register and connect your devices and gateways. You can find simple step-by-step instructions for connecting popular devices, sensors, and gateways in our recipes site.

Information Management

Control what happens to the data that is received from your connected devices. Manage data storage, configure data transformation actions, and integrate with other data services and device platforms.

Analyze in real time

Monitor and analyze data from your connected devices in real time. Use the built-in dashboards to monitor your IoT data and analyze it in real time.

Related links

[Get started](#) [Learn more](#) [Contact sales](#)

Summary

Internet of Things Platform Free

Location: Frankfurt

Plan: Lite

Service name: Internet of Things Platform-2k

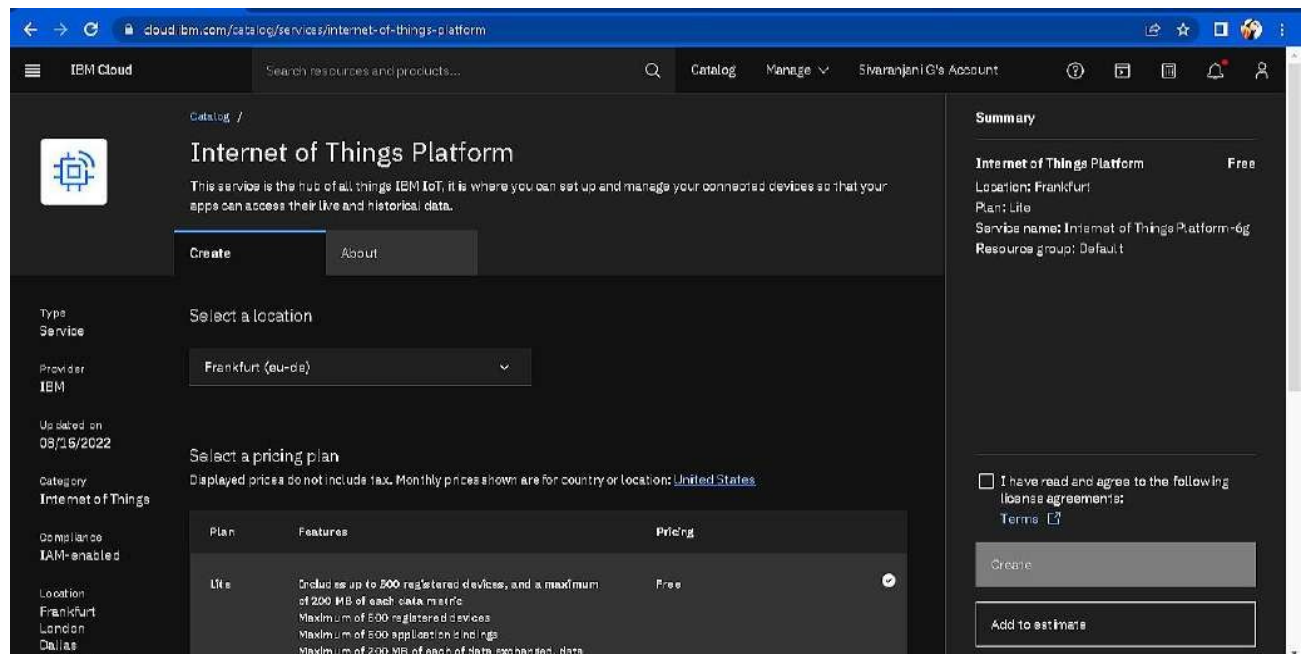
Resource group: Default

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

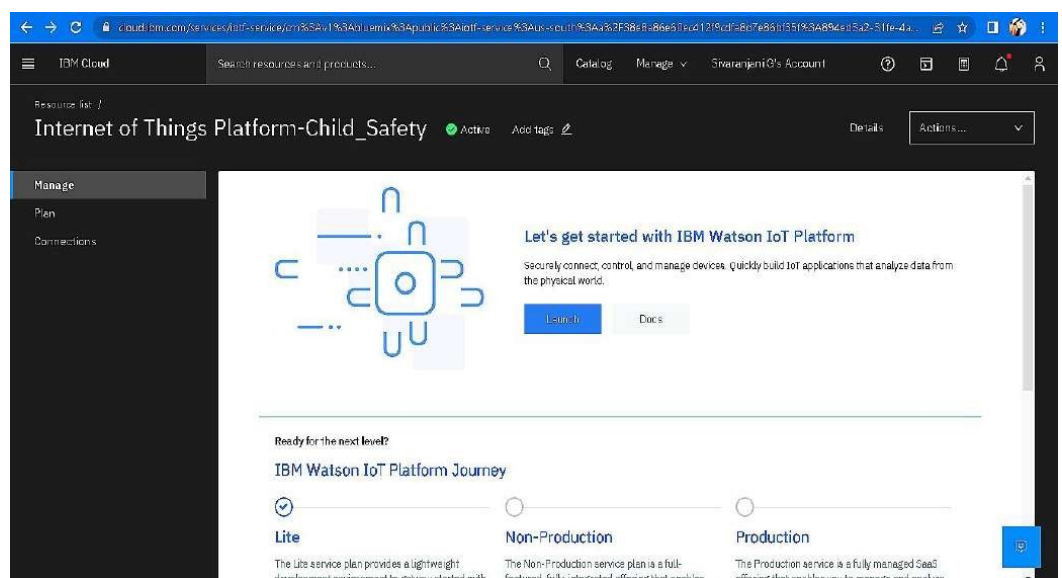
Create

Add to estimate

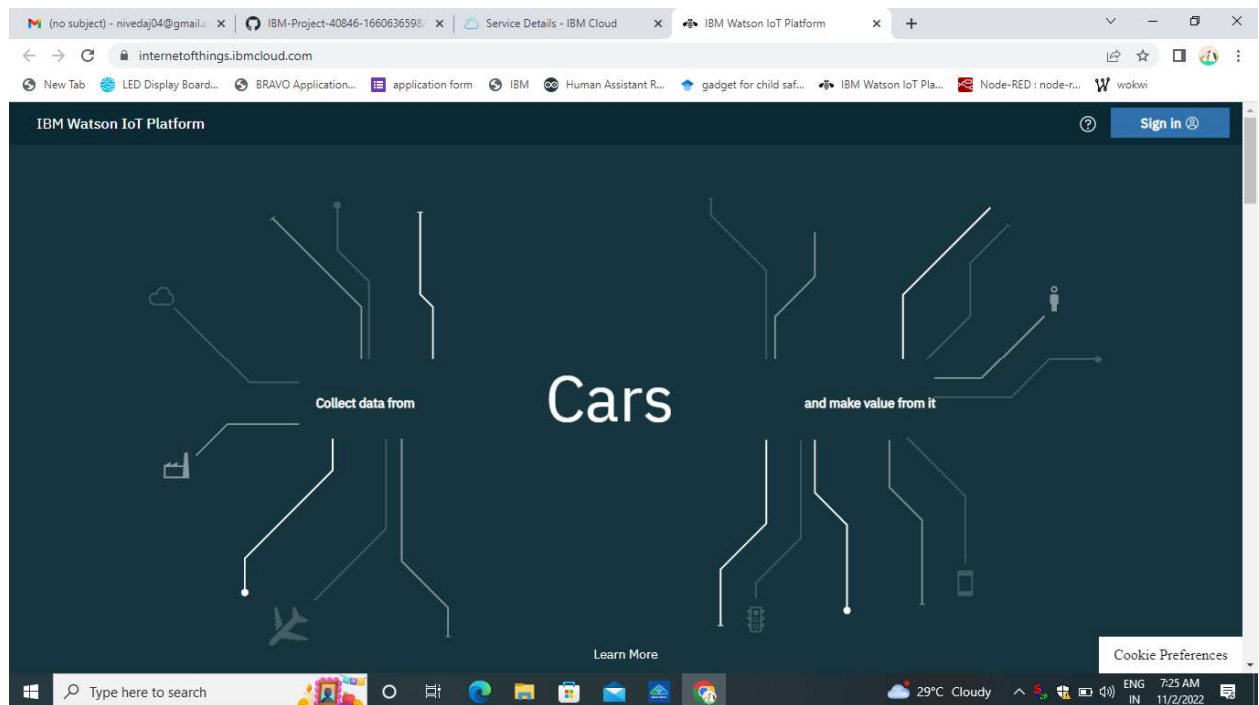
6.Enter the location and in the configure your resource type the service nameand choose the plan, tick the agree with it agreements and then click on create



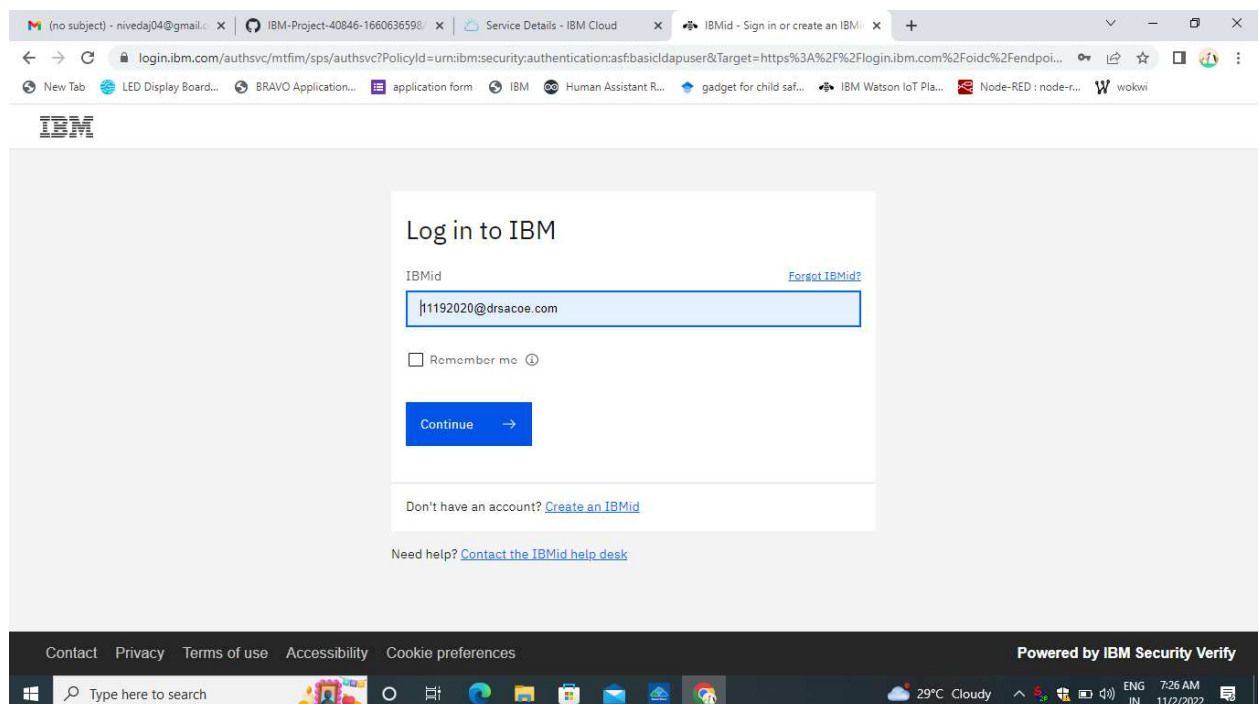
7. Internet of Things Platform Child_safety will be created, where there are different options like manage, plan, and connection (manage is for launch, Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services)



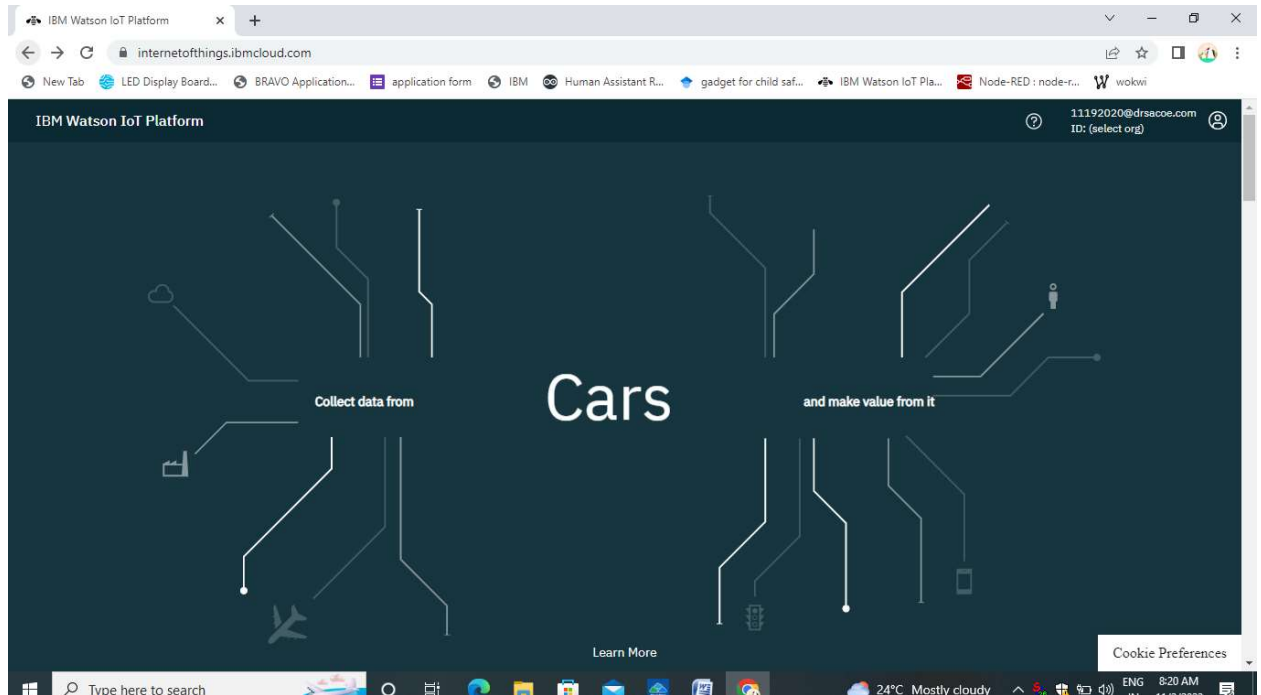
8. Clicking on the launch button in the manage tab, it will open to this



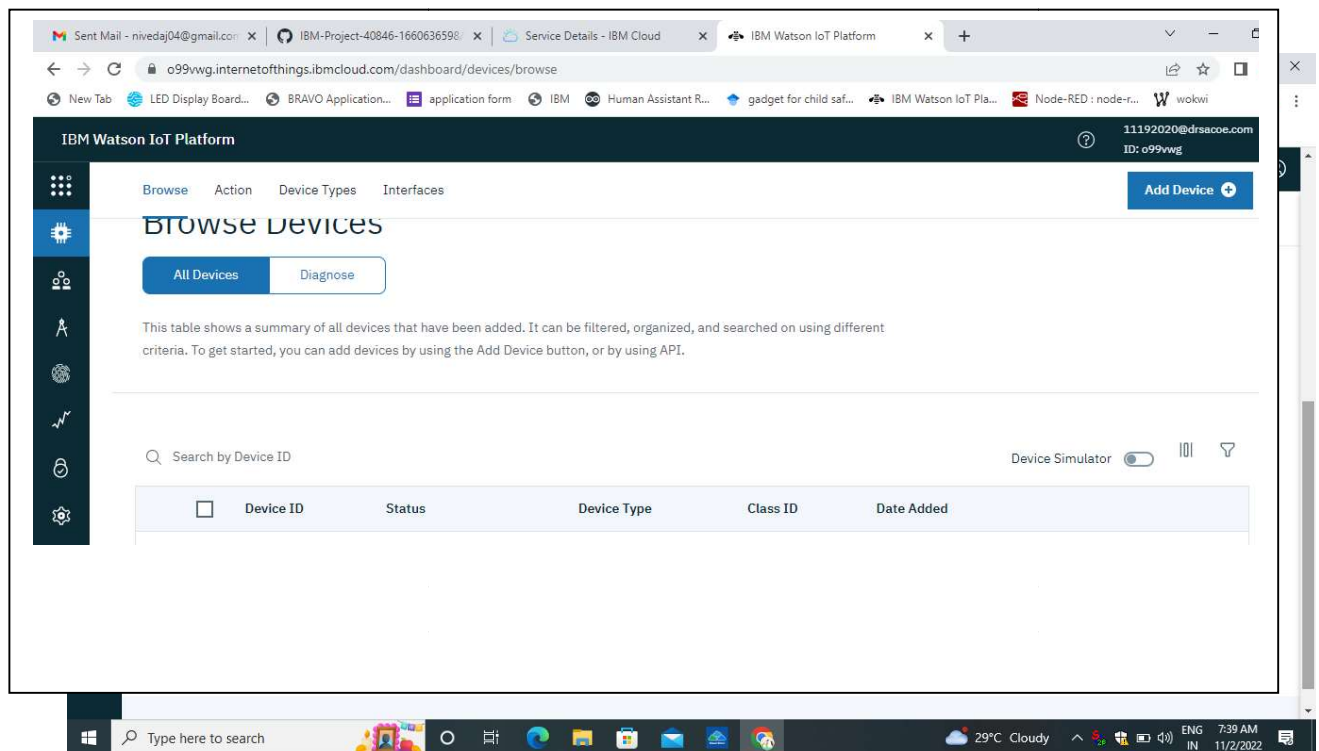
9. Enter the details to sign in to the Watson Cloud to create a device



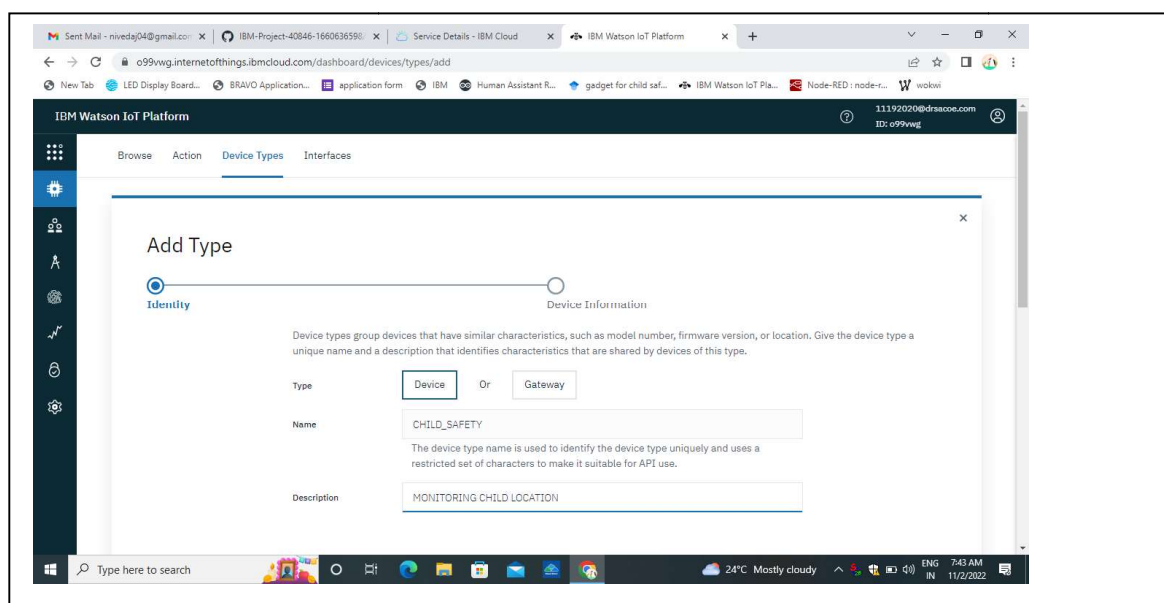
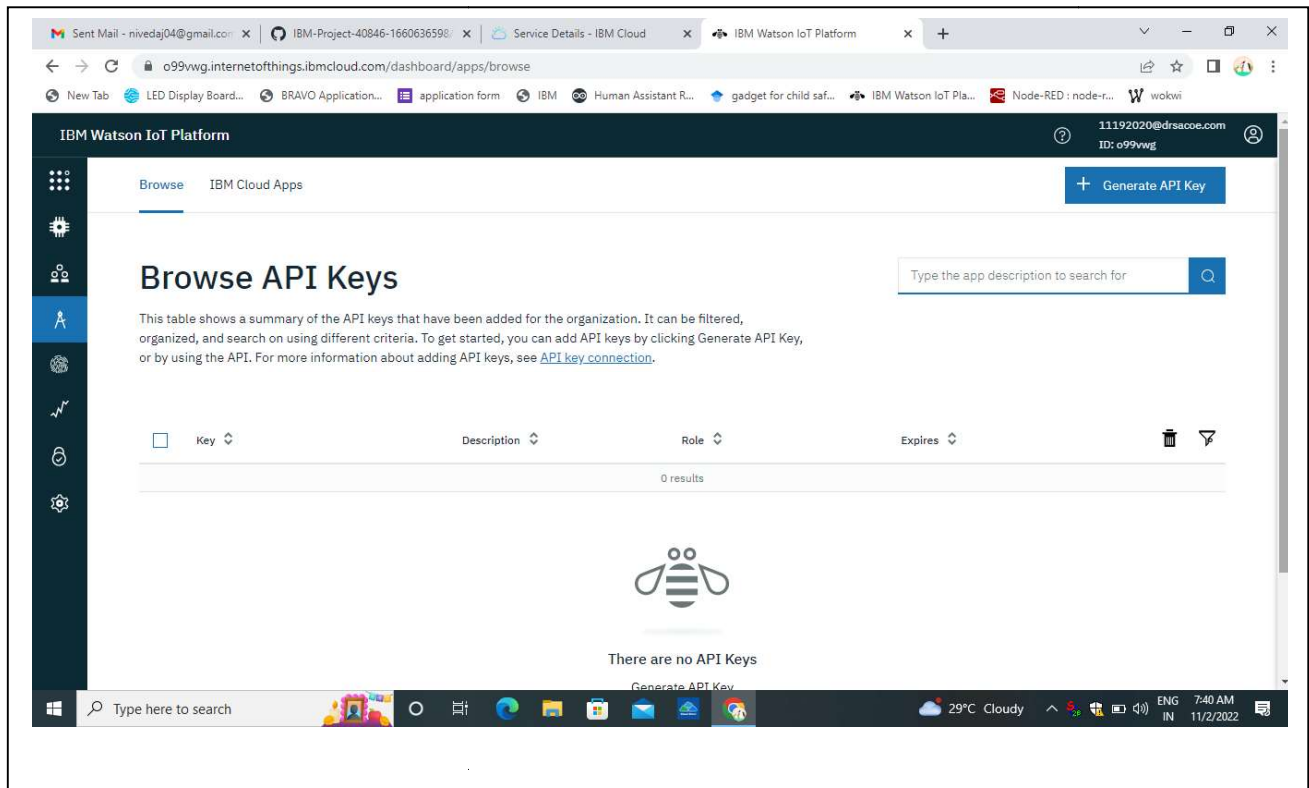
10. Once logged in the name will be displayed and it goes back to the first page



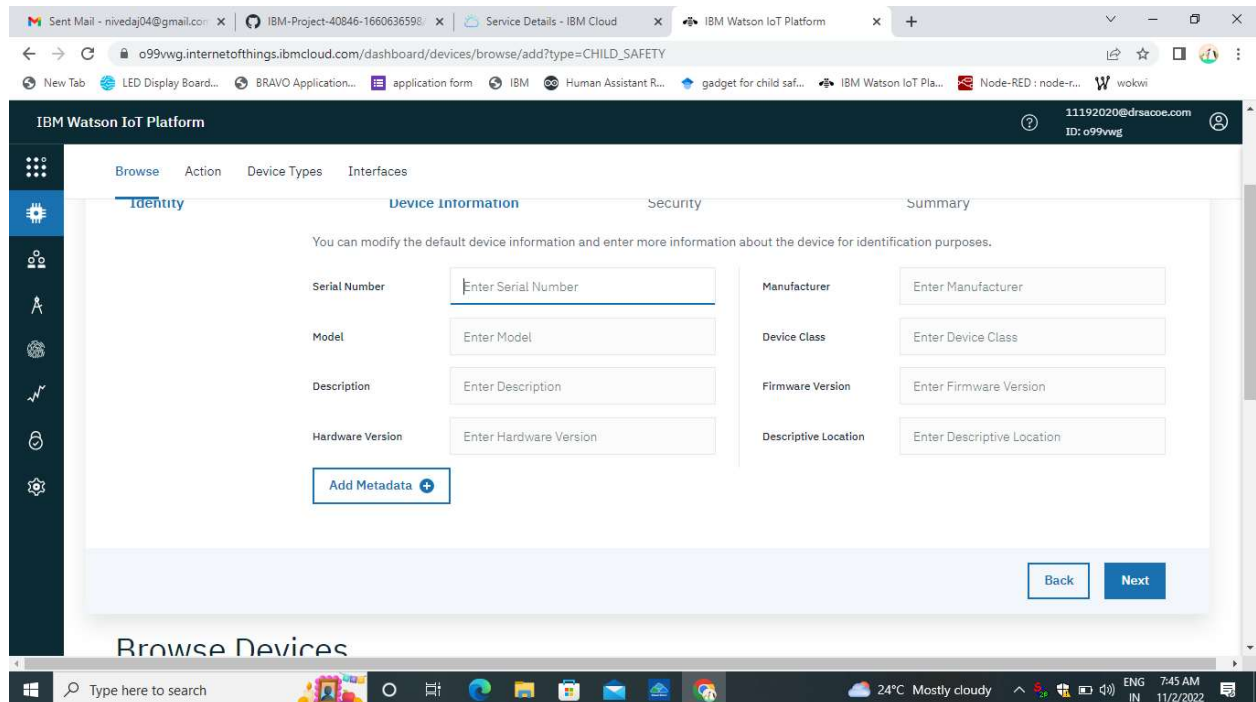
11. And again clicking on the launch button will open this tab, the device
12. The member tab is add the team members to work in the platform.



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

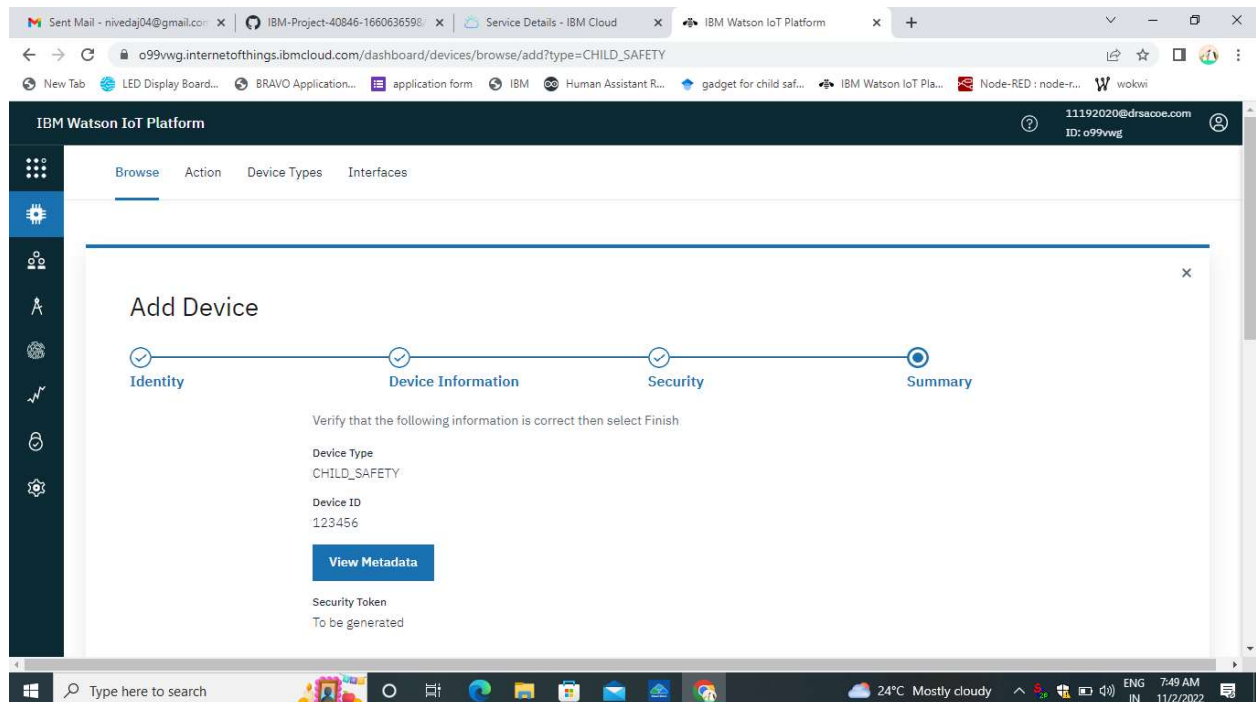


15. This page to enter extra details and of the hardware

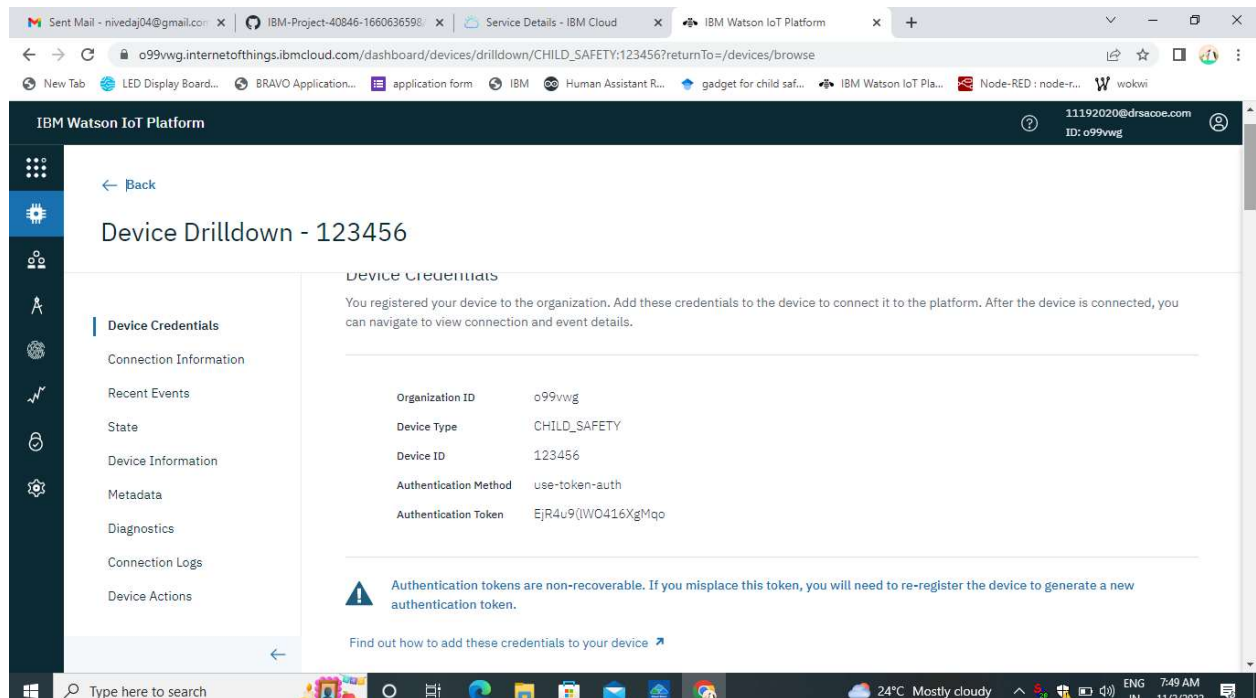


16. Clicking next it goes to the security where we do authentication token id.

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



18. The device credentials will display with all the details.



Safe the details of the device as the authentication tokens are non-recoverable 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

11192020@drsacoe.com
ID: o99vwg

Browse Action Device Types Interfaces

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

Device ID	Status	Device Type	Class ID	Date Added
123456	Disconnected	CHILD_SAFETY	Device	Nov 1, 2022 6:21 PM

Items per page 50 | 1-1 of 1 item

1 of 1 page

IBM Watson IoT Platform

11192020@drsacoe.com
ID: o99vwg

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123456	Disconnected	CHILD_SAFETY	Device	Nov 1, 2022 6:21 PM

Items per page 50 | 1-1 of 1 item

1 of 1 page

Device Details Modal:

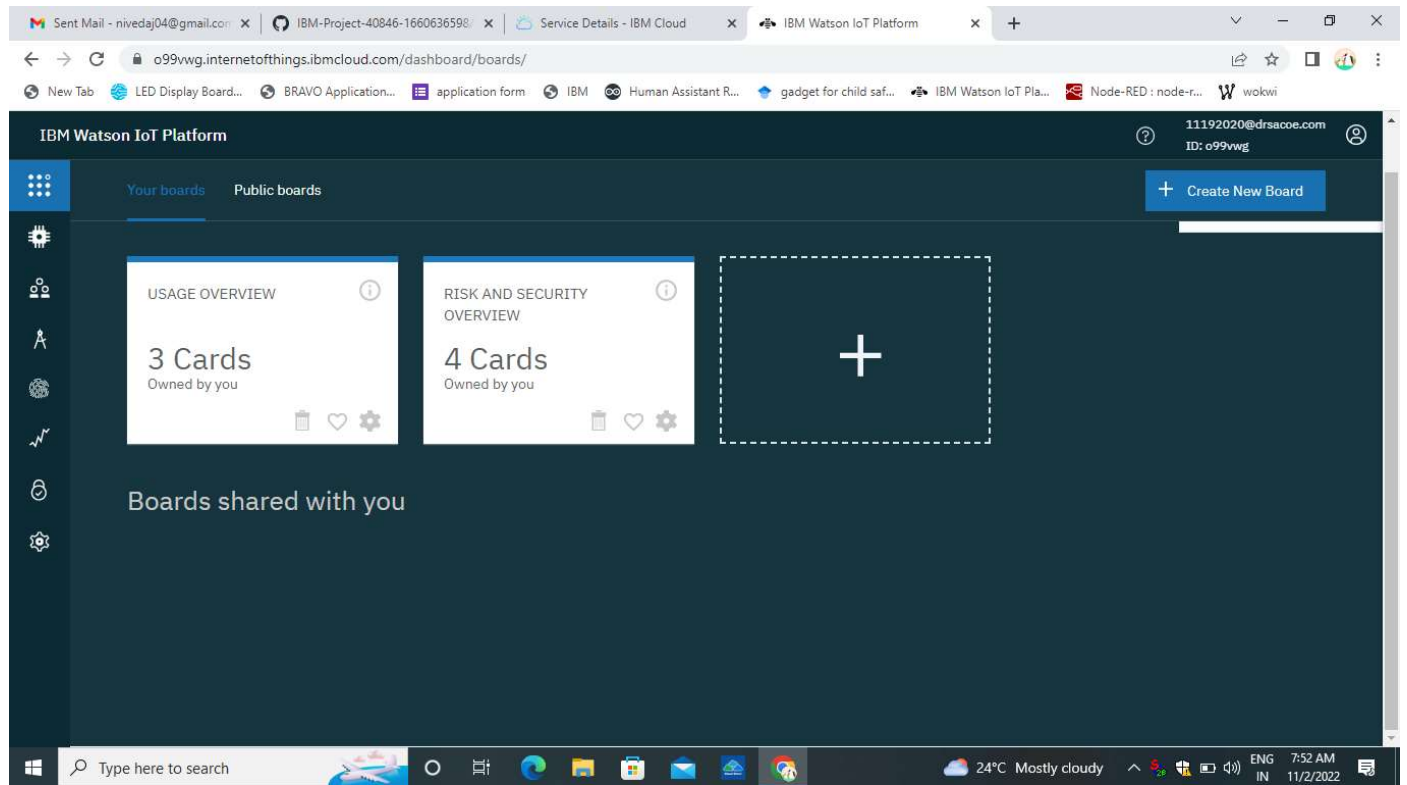
Identity	Device Information	Recent Events	State	Logs
Device ID	123456			
Device Type	CHILD_SAFETY			
Date Added	Nov 1, 2022 6:21 PM			
Added By	11192020@drsacoe.com			
Connection Status	Disconnected			

Items per page 50 | 1-1 of 1 item

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



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