

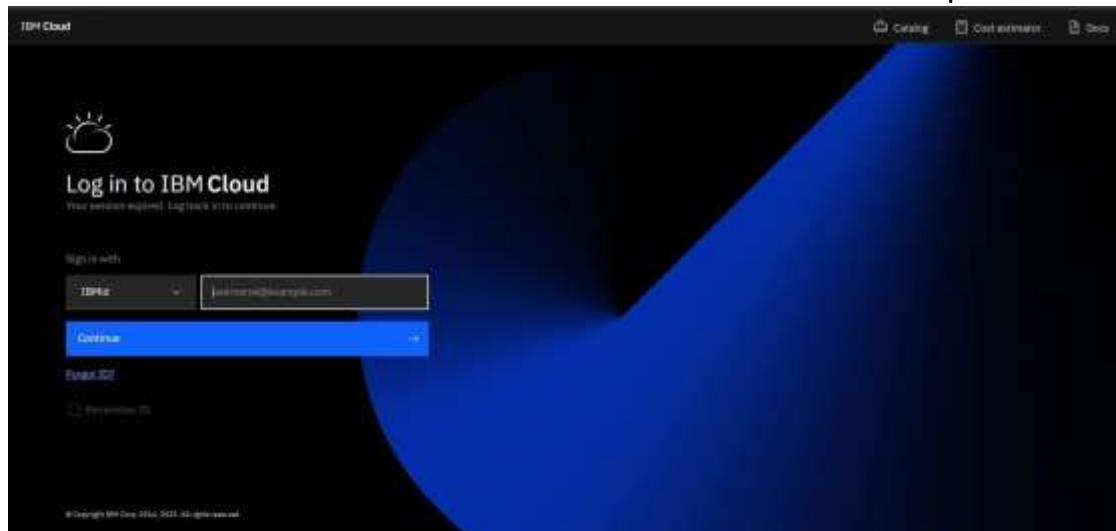
CREATE IBM WATSON IOT PLATFORM AND DEVICE

Team ID : PNT2022TMID30207

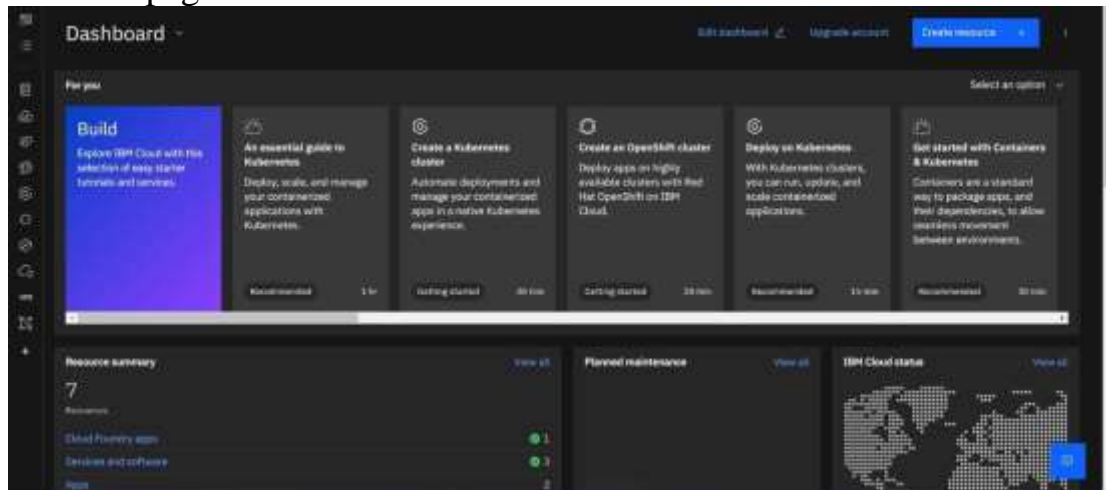
1. To create the IBM Watson IOT platform and device

STEPS:

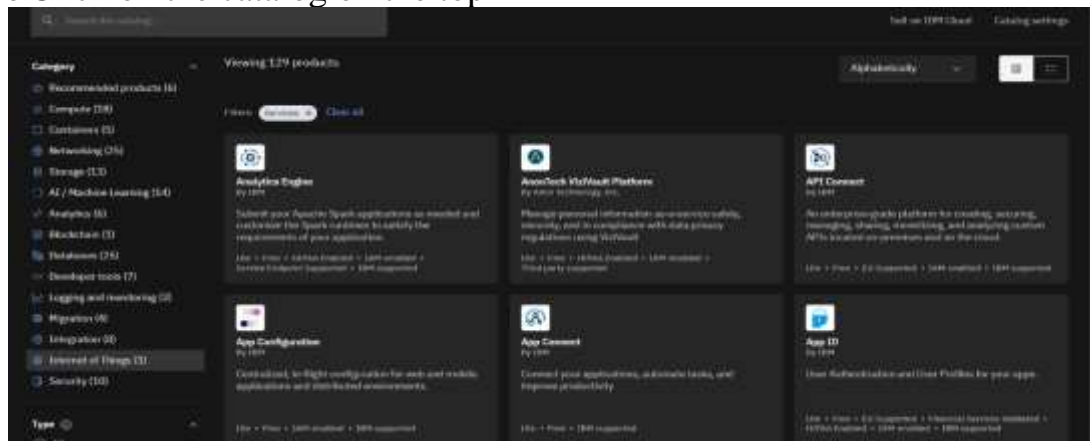
1. create an IBM cloud account with the individual IBM id and password



2. Home page of IBM cloud



3. Click on the catalog on the top



4. Click on IoT in the category mentioned

Internet of Things Platform

This service is the hub of all things IOT 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 **Cancel**

Type: Service

Provider: IAM

Updated on: 08/11/2022

Category: Internet of Things

Compatibility: IAM-enabled

Location: Dallas (us-east-1)

Select a pricing plan

Default prices do not include tax. Monthly prices shown are for country or location. [Update location](#)

Plan	Features	Pricing
Lite	Includes up to 100 registered devices, and a maximum of 100 MB of each data metric. Maximum of 100 registered devices. Maximum of 100 application bindings. Maximum of 100 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 100 registered devices, and a maximum of 100 MB each of data exchanged, data analyzed, and edge data analyzed per month.

Summary

Internet of Things Platform Free

Location: Dallas

Plan: Lite

Service name: Internet of Things Platform-Sw

Resource group: Default

Existing Lite plan instance

You can have only 1 Lite plan instance of this service per resource group. Update your current Lite plan instance in Default resource group to create a new one, or use the existing instance.

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

Create

Add to estimate

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

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Lite plan instances are deleted after 30 days of inactivity.

Configure your resource

Service name: Internet of Things Platform-Sw

Select a resource group: Default

Tag:

Access management tags:

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6. 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

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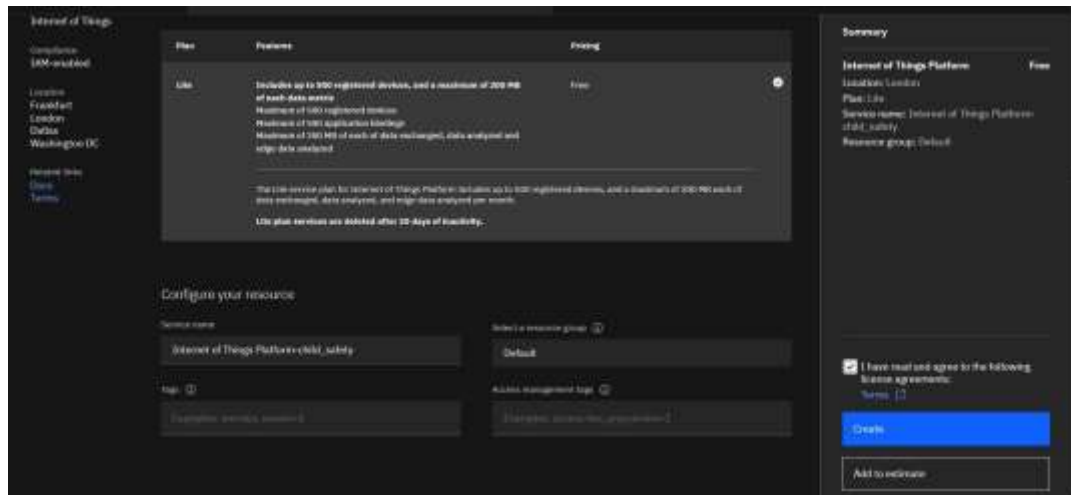
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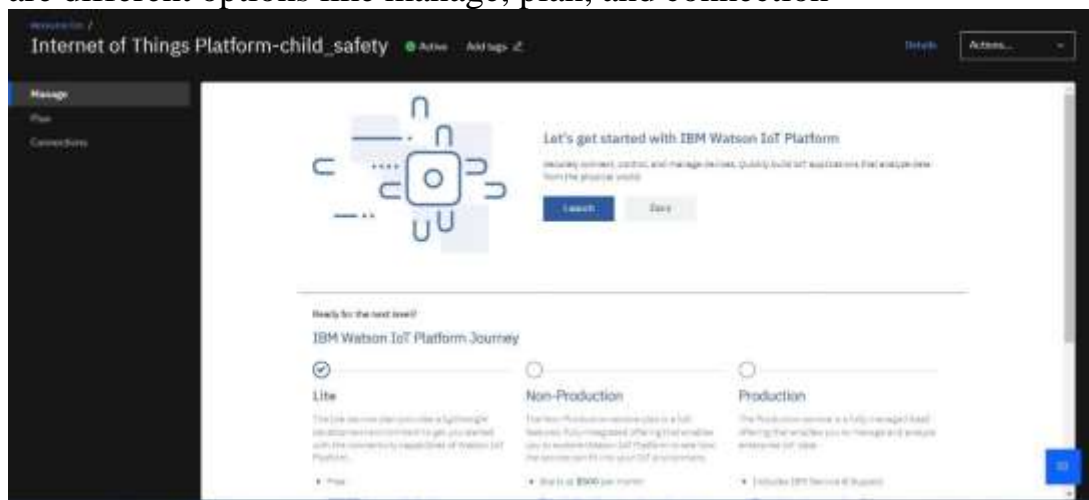
Create

Add to estimate

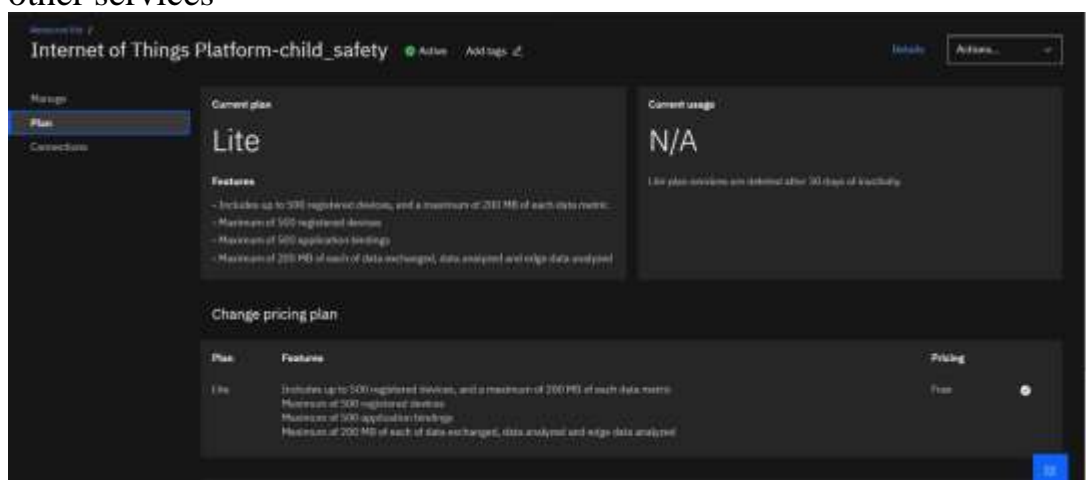
7. click create



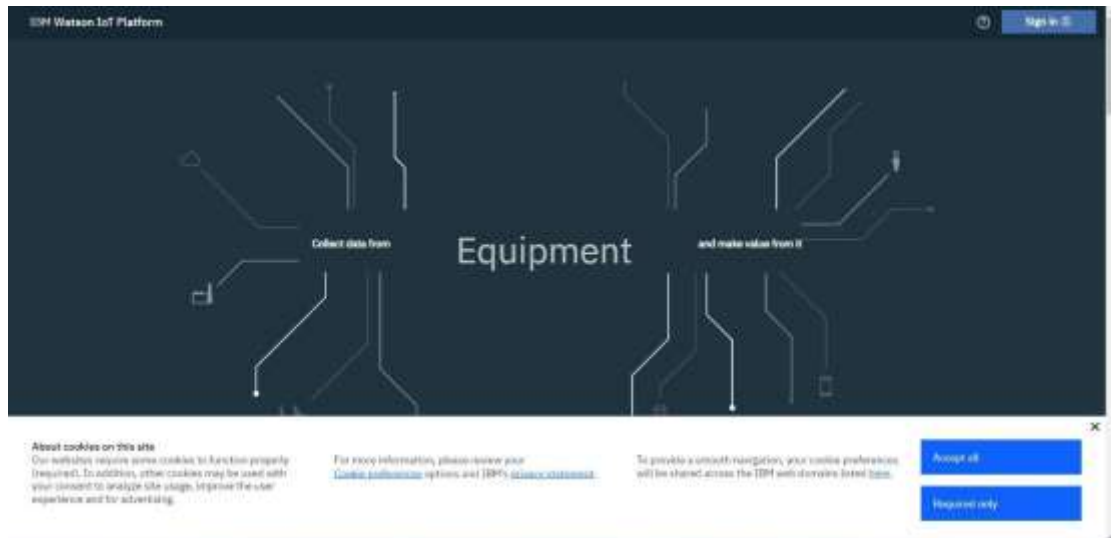
8. Internet of Things Platform Child_safety will be created, where there are different options like manage, plan, and connection



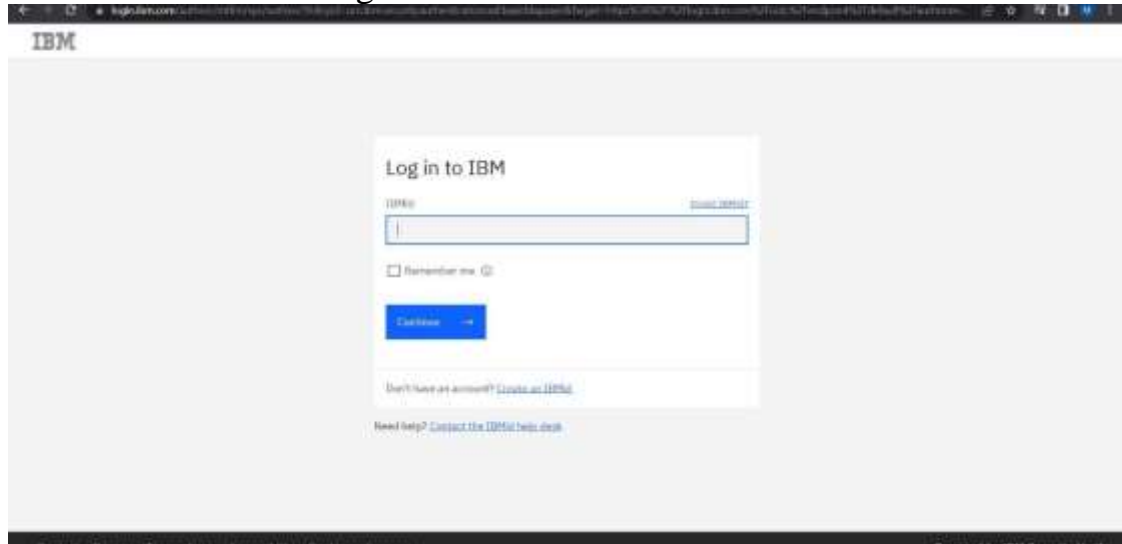
9. manage is for launch, plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IOT with other services



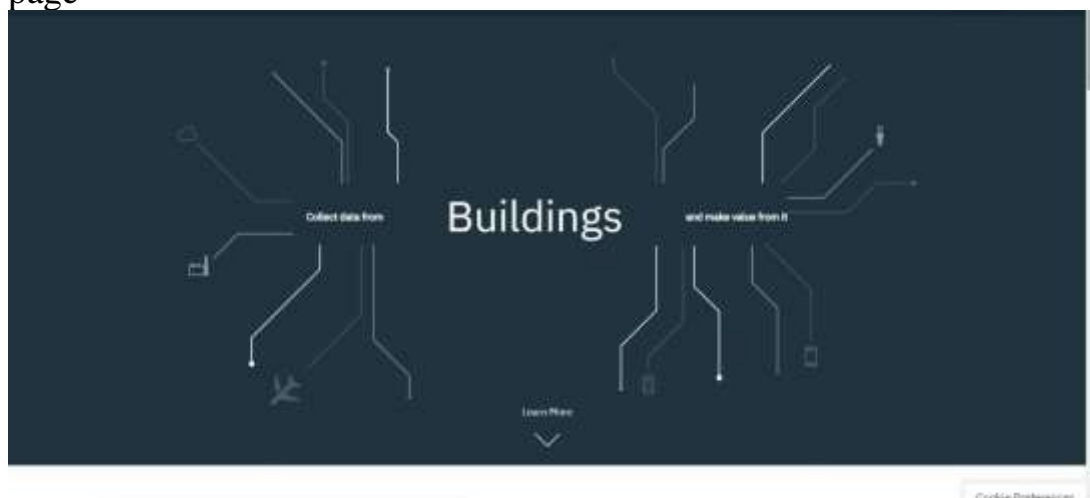
10. Click on the launch button in the manage tab, it will open to this



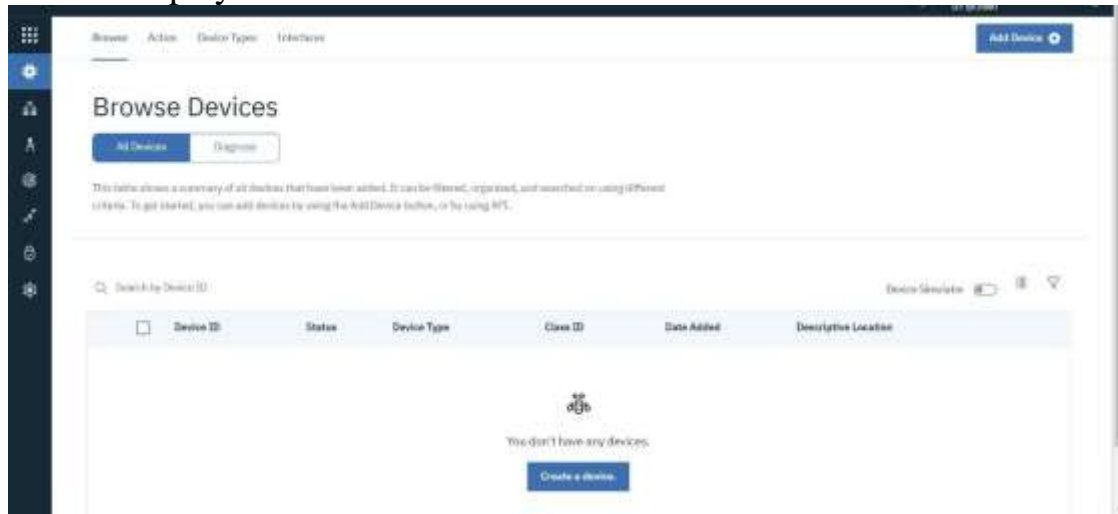
11. Enter the details to sign in to the Watson Cloud to create a device



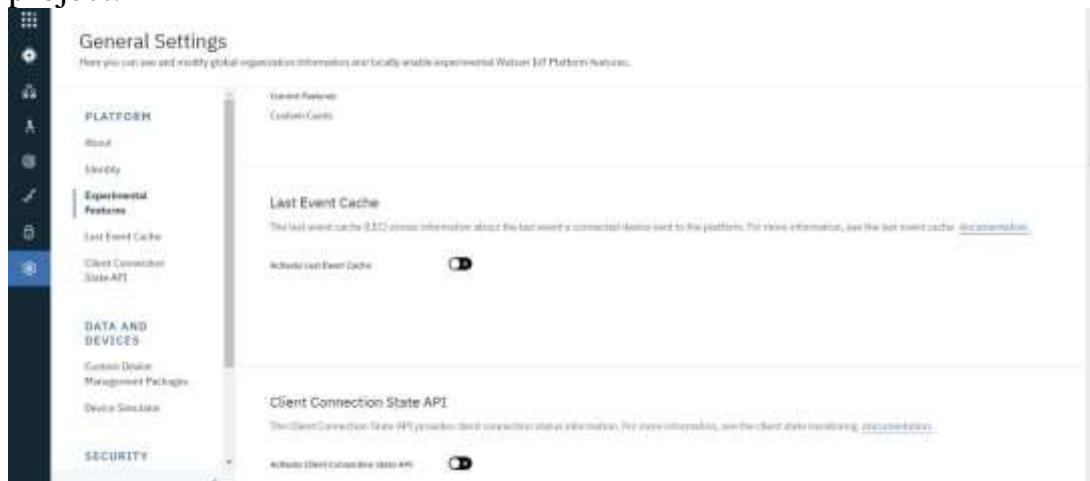
12. Once logged in the name will be displayed and it goes back to the first page



13. 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.



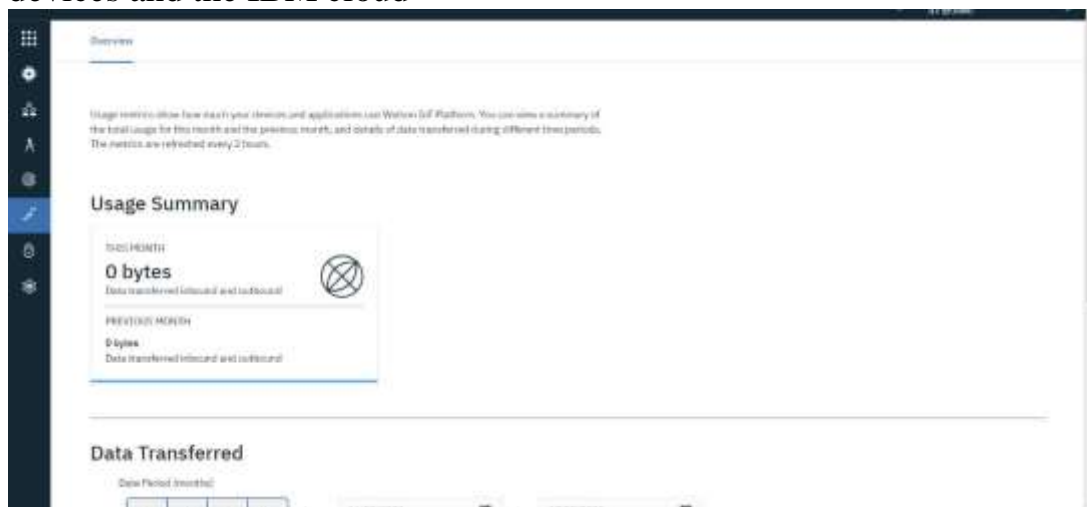
14. The setting tab is used to change the general setting if needed for the project.



15. In the security tab we can choose the type of security connection and can change according to specification



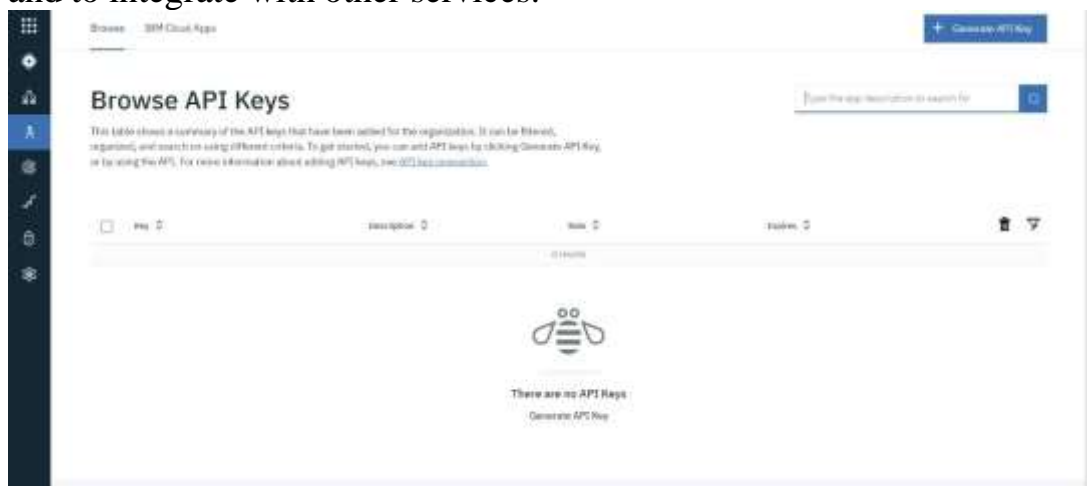
16. Usage gives the summary of how many bytes are used between the devices and the IBM cloud



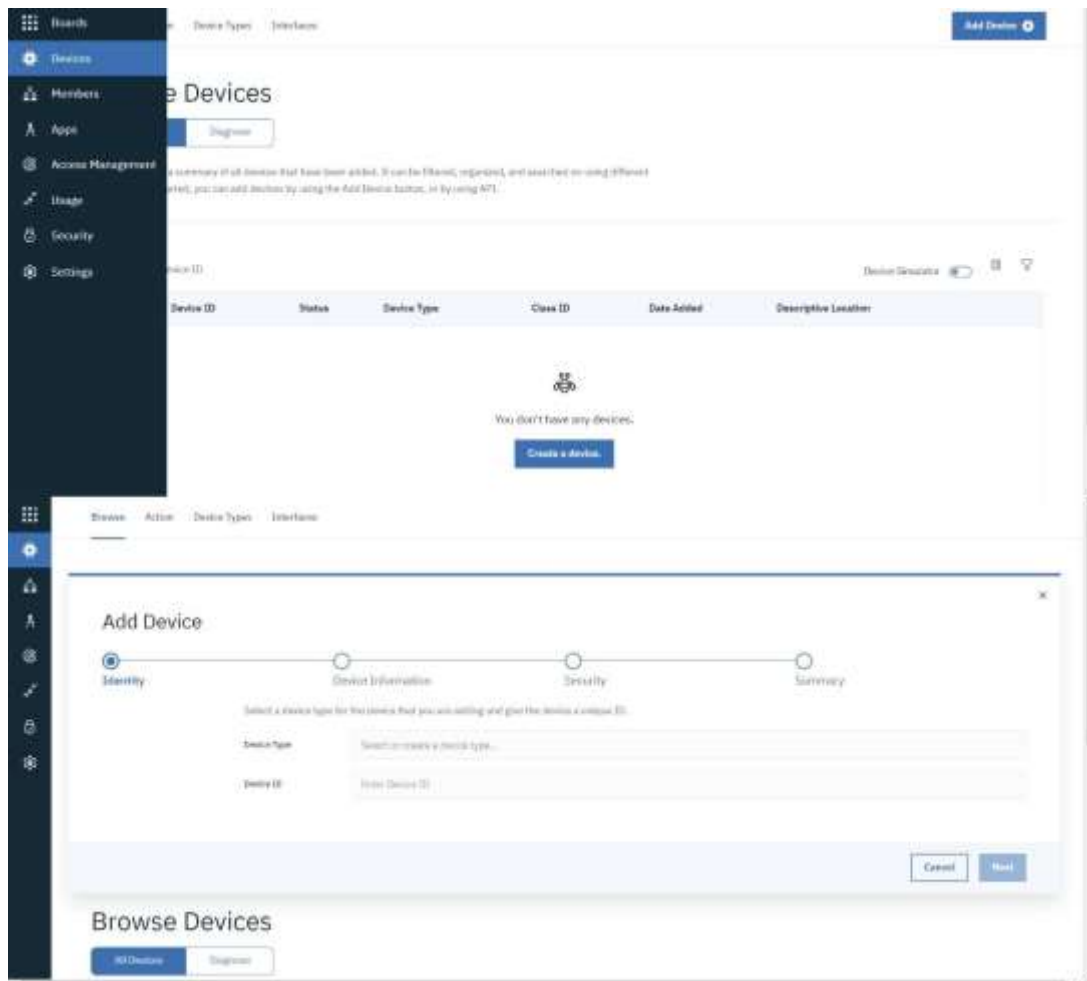
17. The member tab is add the teams members to work in the platform



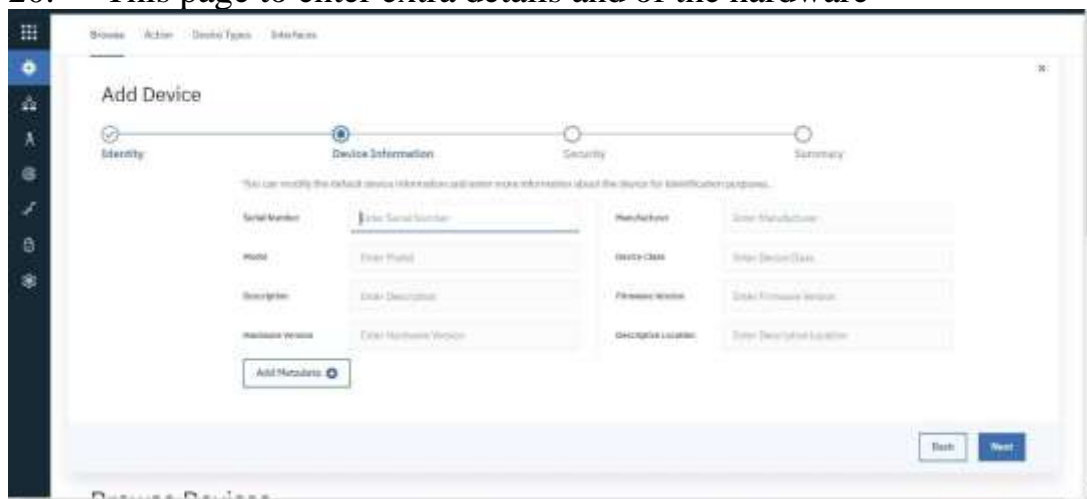
18. This tab is used when you want to connect to some other platform and to integrate with other services.



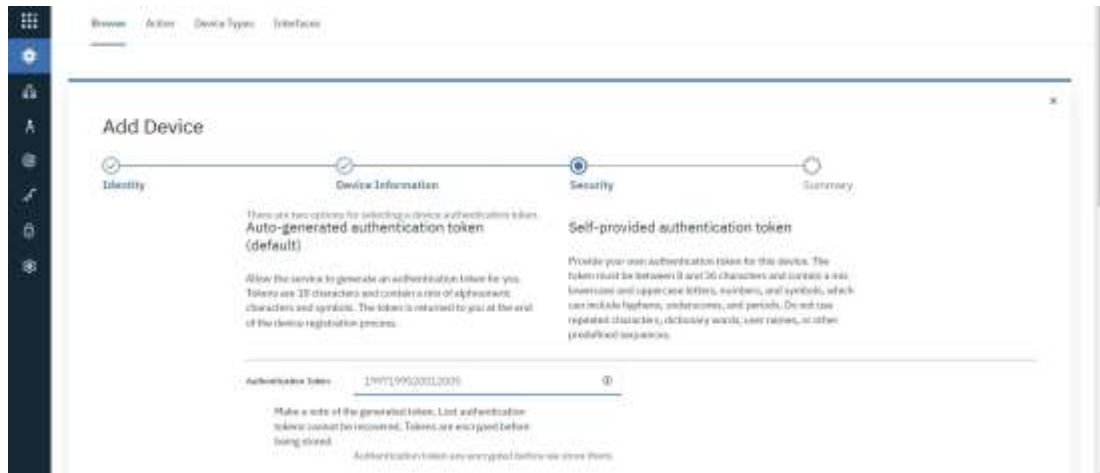
19. Click on the device tab and click on the add device button, then give the device type and device id and click next



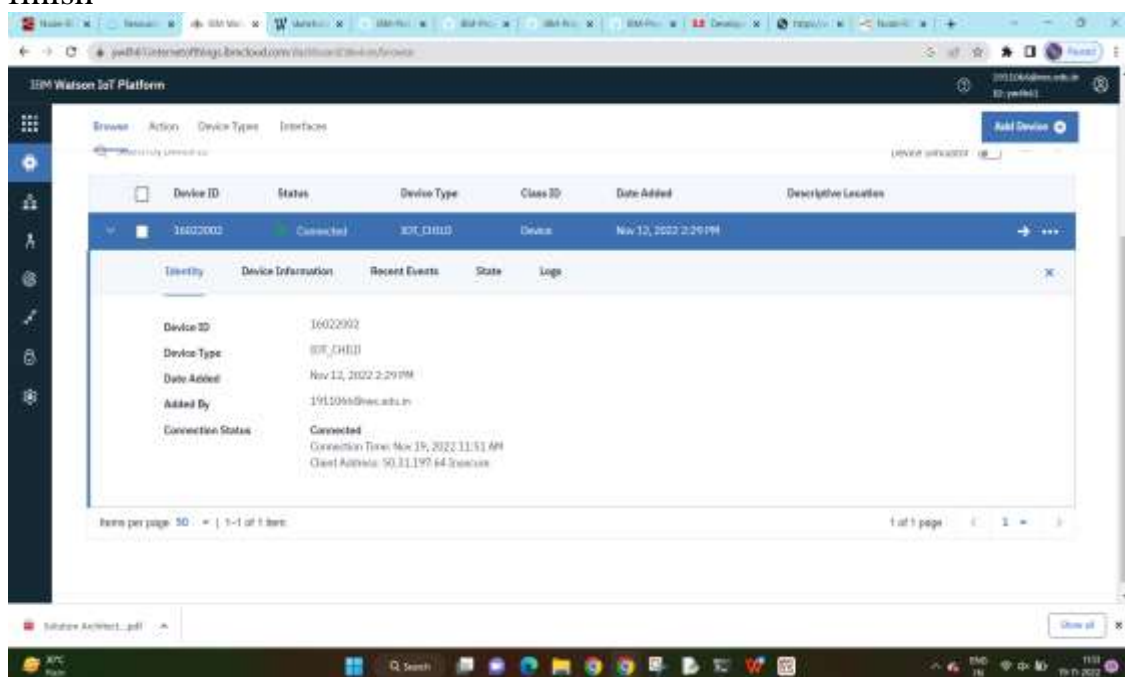
20. This page to enter extra details and of the hardware



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



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



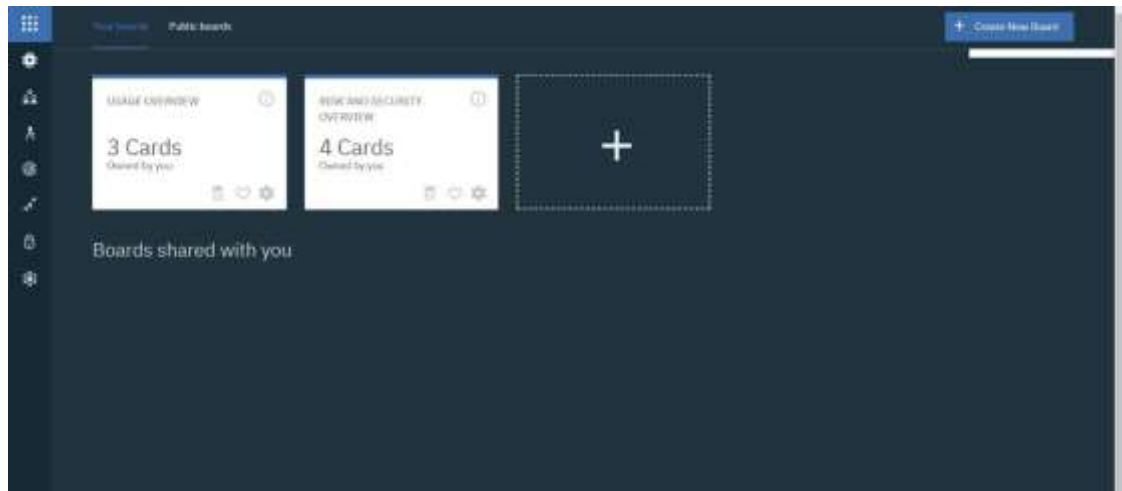
23. The device credentials will be displayed with all the details

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

25. 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.

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

26. The Boards will display card for the project.



CONCLUSION:

An IBM Watson cloud for IoT and a device is created