

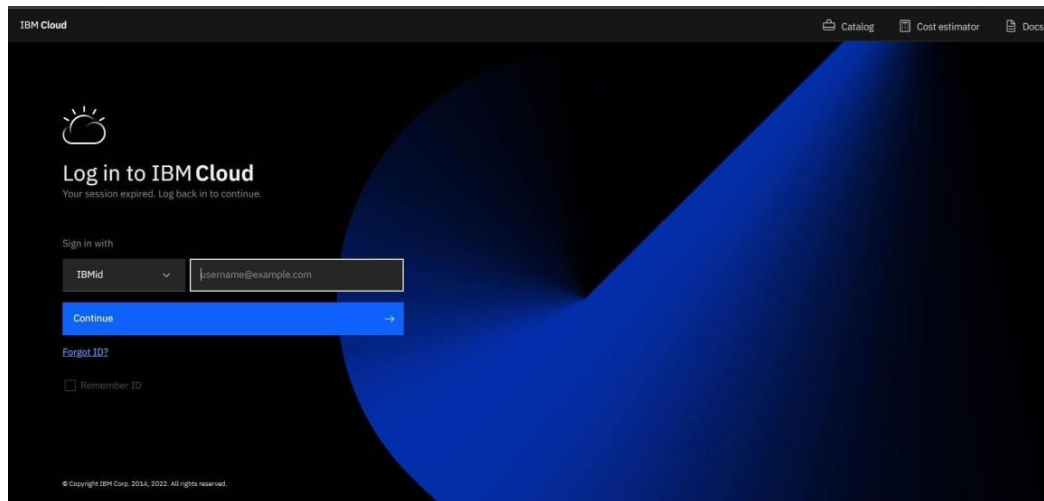
CREATE IBM WATSON IOT PLATFORM AND DEVICE

Date	01 October 2022
Team ID	PNT2022TMID32078
Project Name	Project –IoT based smart Crops protection system.

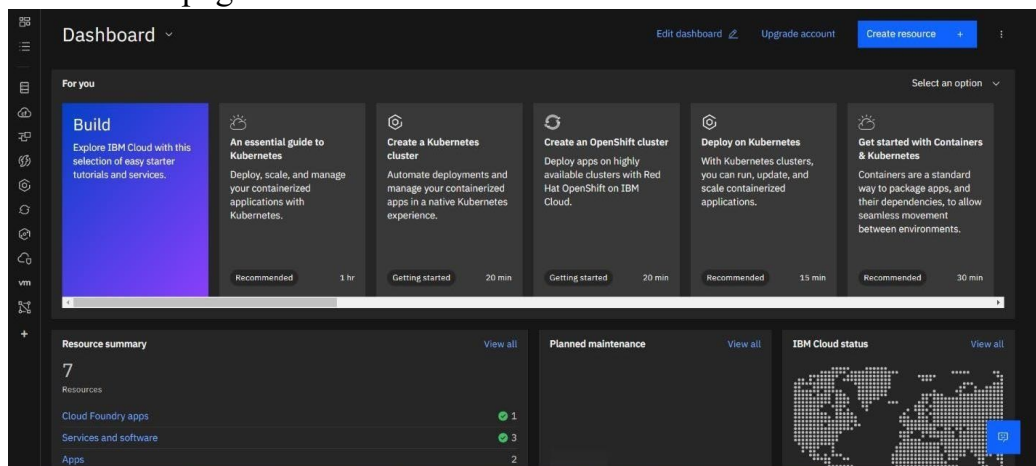
1. To create the IBM Watson IoT platform and device

STEPS:

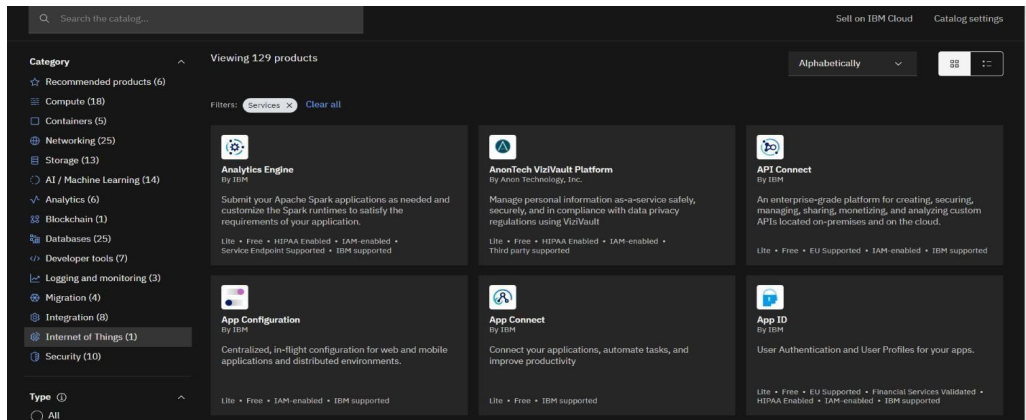
1. Create an IBM Cloud account with the individual IBM ID and password



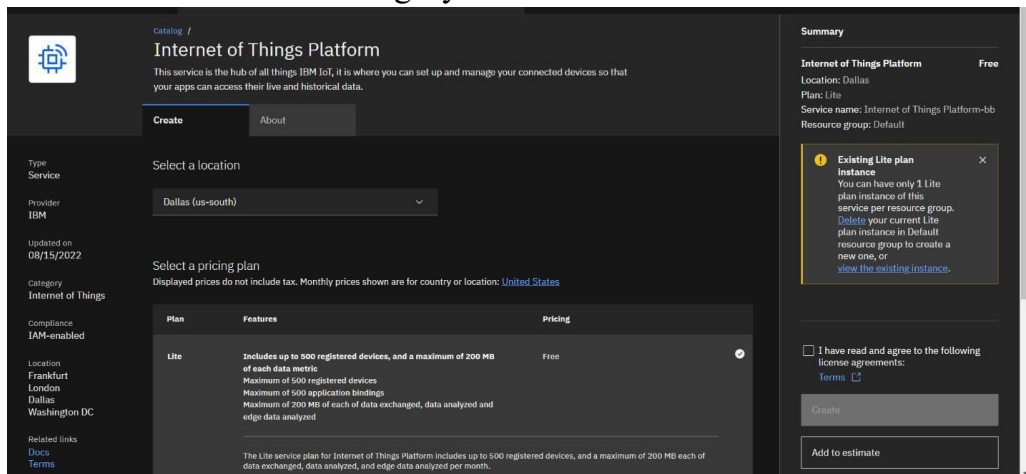
2. Homepage of IBM Cloud



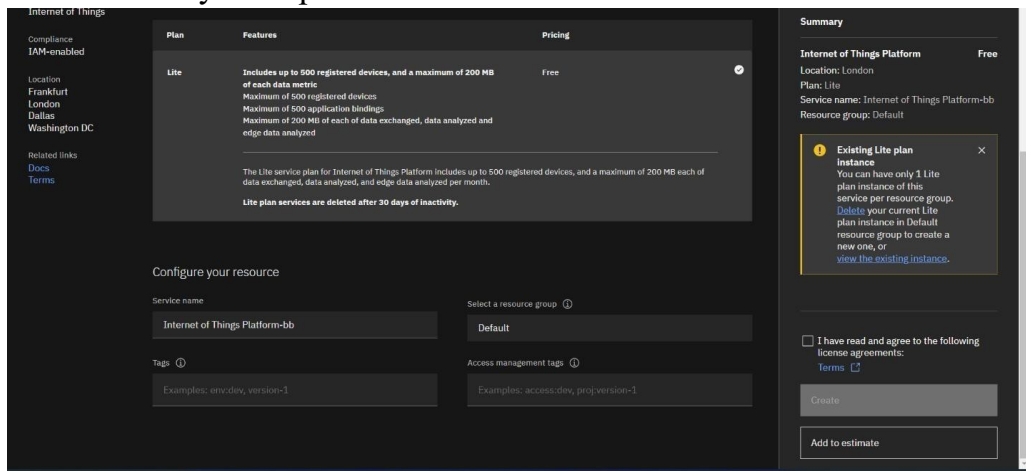
3. Click on the catalog on the top




4. Click on **IoT** in the category mentioned



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



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



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.

Type
Service

Provider
IBM

Updated on
08/15/2022

Category
Internet of Things

Compliance
IAM-enabled

Location
Frankfurt
London
Dallas
Washington DC

Related links
Docs
Terms

Create
About

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	<ul style="list-style-type: none"> 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

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.

Summary

Internet of Things Platform **Free**

Location: Dallas

Plan: Lite

Service name: Internet of Things Platform-2w

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

Add to estimate

7. Clickcreate

Internet of Things

Compliance
IAM-enabled

Location
Frankfurt
London
Dallas
Washington DC

Related links
Docs
Terms

Plan	Features	Pricing
Lite	<ul style="list-style-type: none"> 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

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

Service name

Select a resource group

Tags

Access management tags

Summary

Internet of Things Platform **Free**

Location: London

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

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

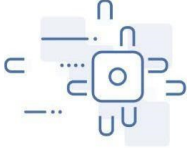
Resource list /

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

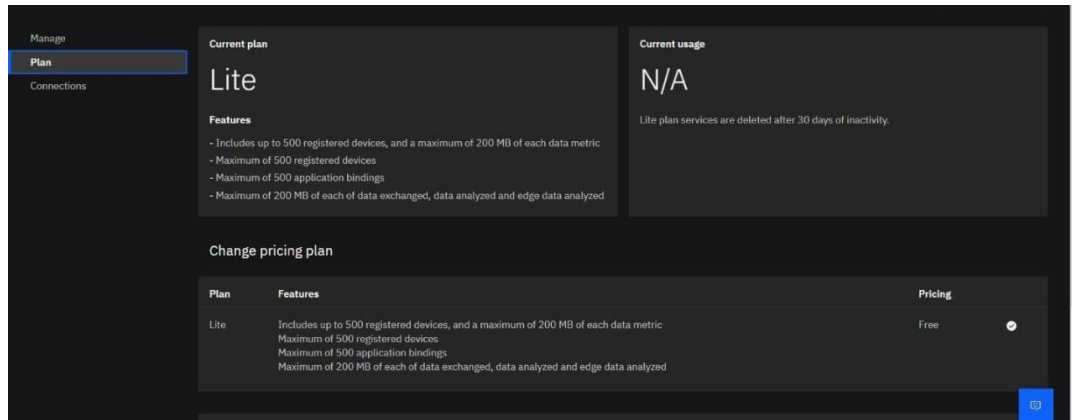
☐

Production

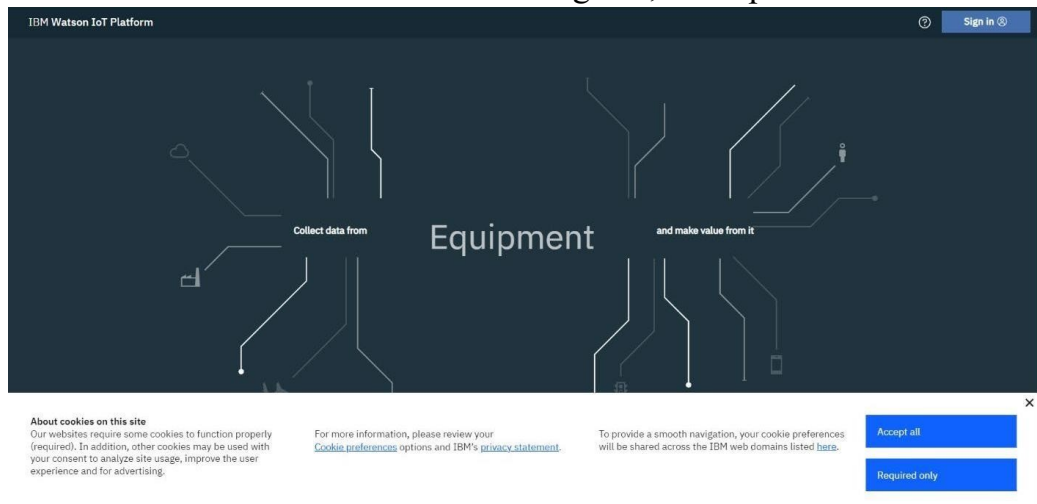
The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.

- Includes IBM Service & Support

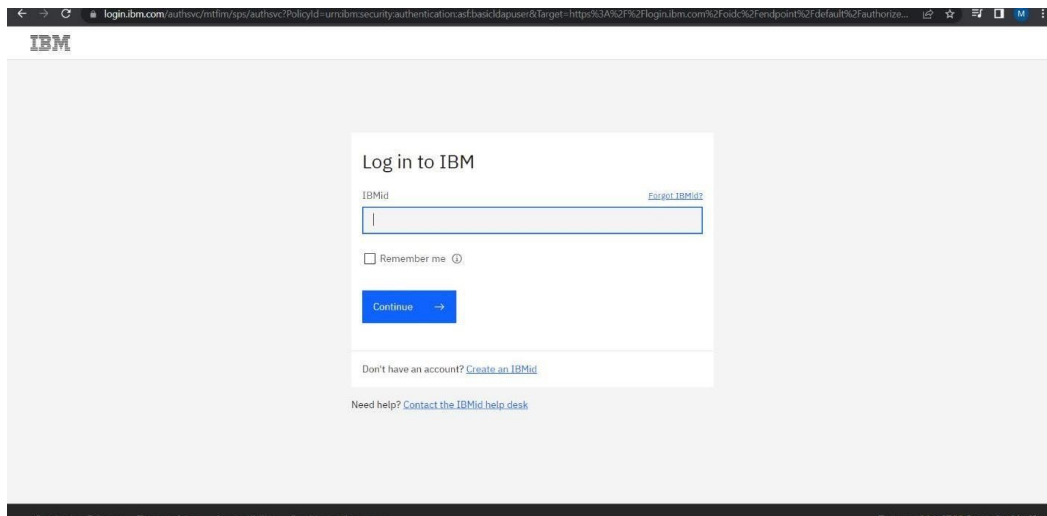
9. manage is for launch, plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IOT with other services



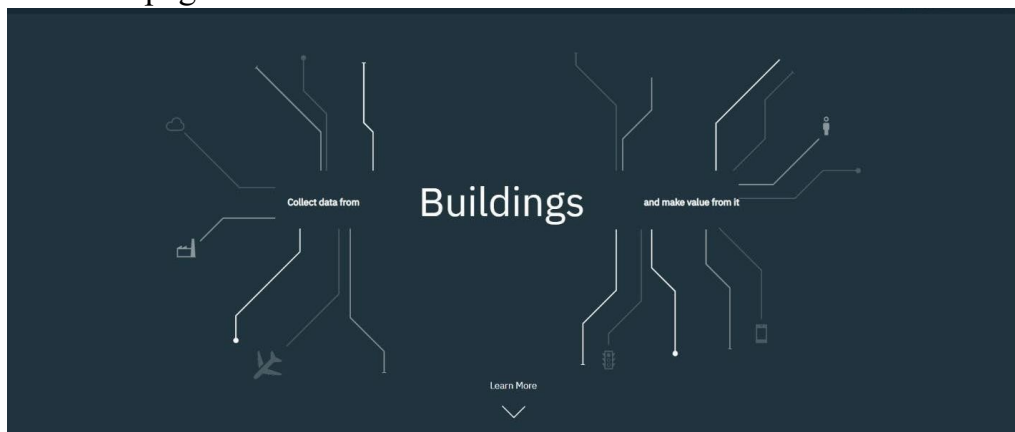
10. Click on the launch button in the manage tab, it will open to this



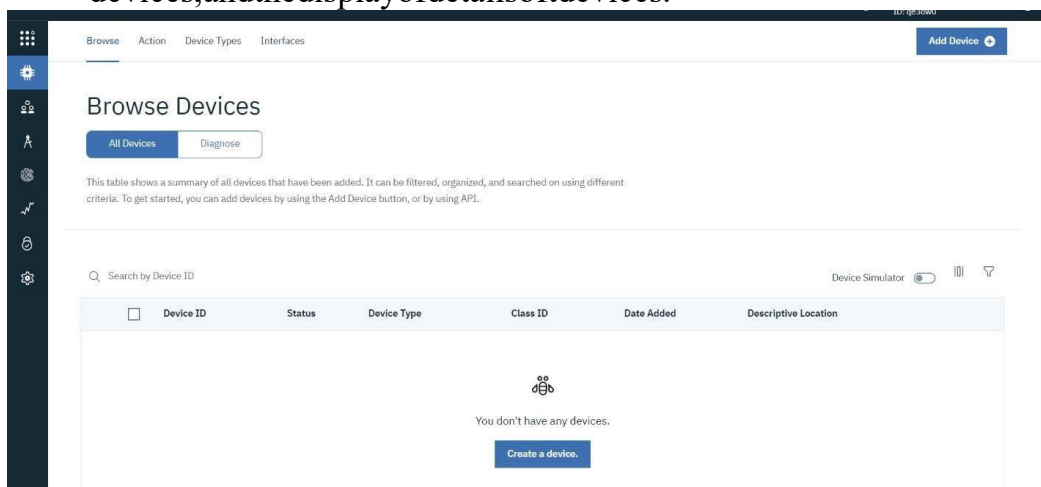
11. Enter the details to sign in to the Watson Cloud to create a device



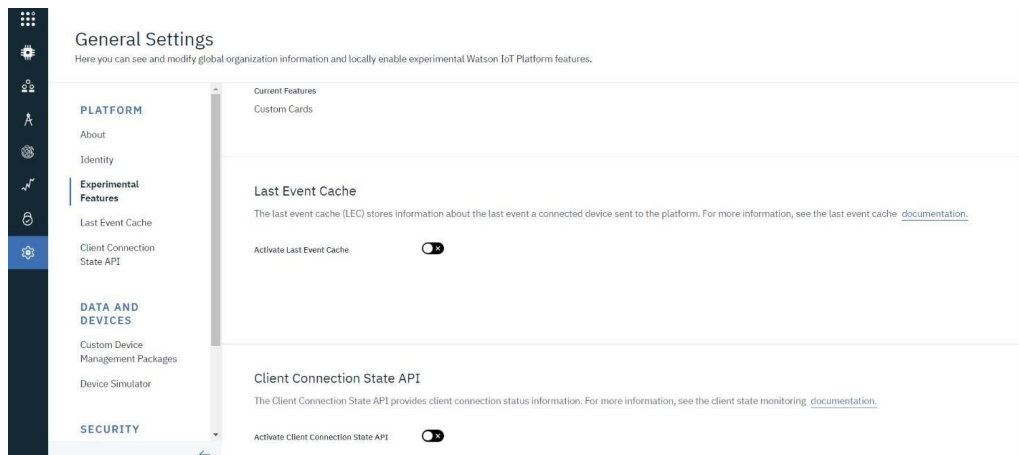
12. Once logged in the name will be displayed and it goes back to the firstpage



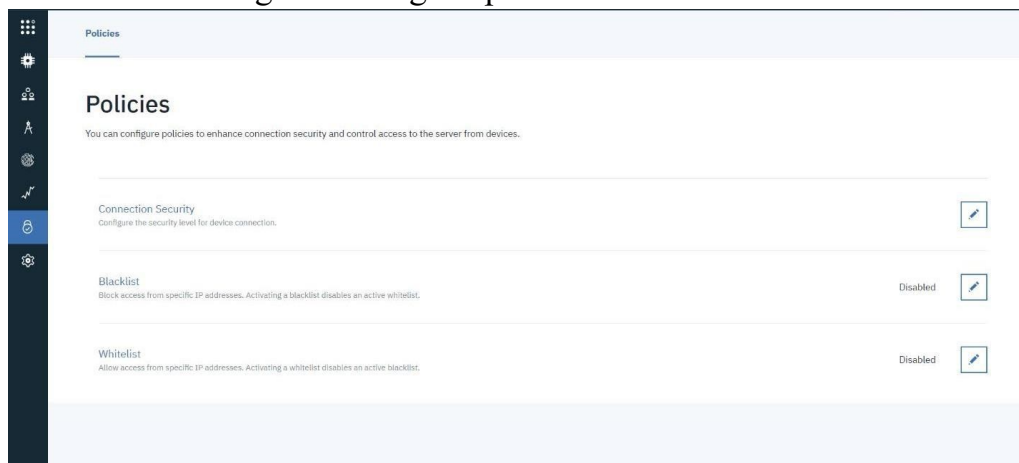
13. And again clicking on the launch button will open this tab, thedevice will help in the creation of the devices, the addition of devices,andthedisplayofdetailsoftdevices.



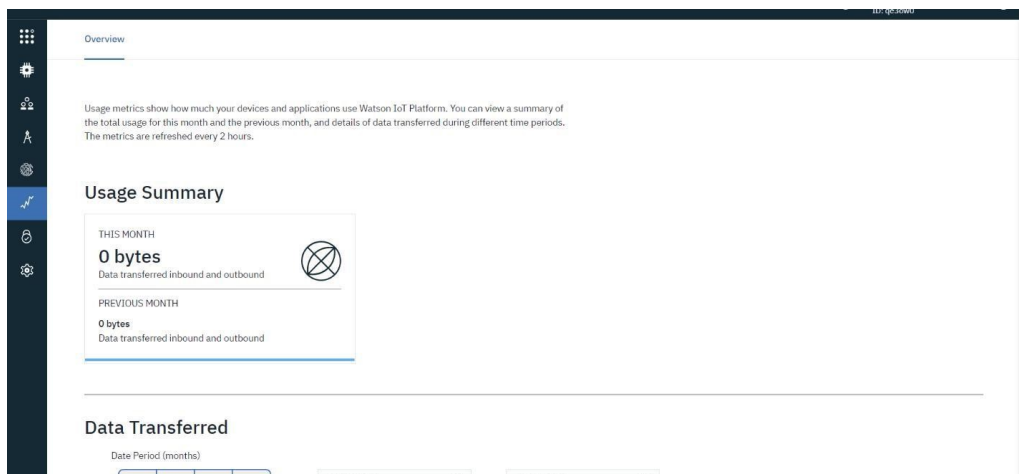
14. The setting tab is used to change the general setting if needed for theproject.



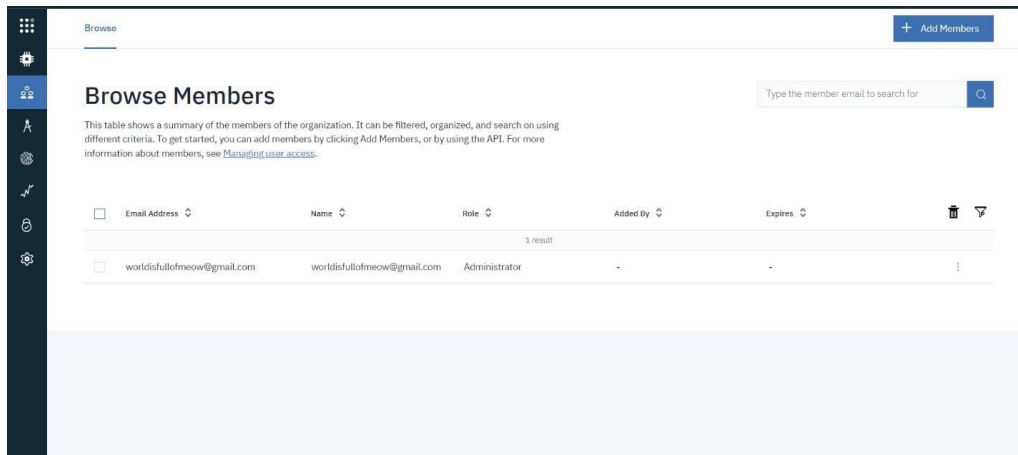
15. In the security tab we can choose the type of security connection and can change according to specification



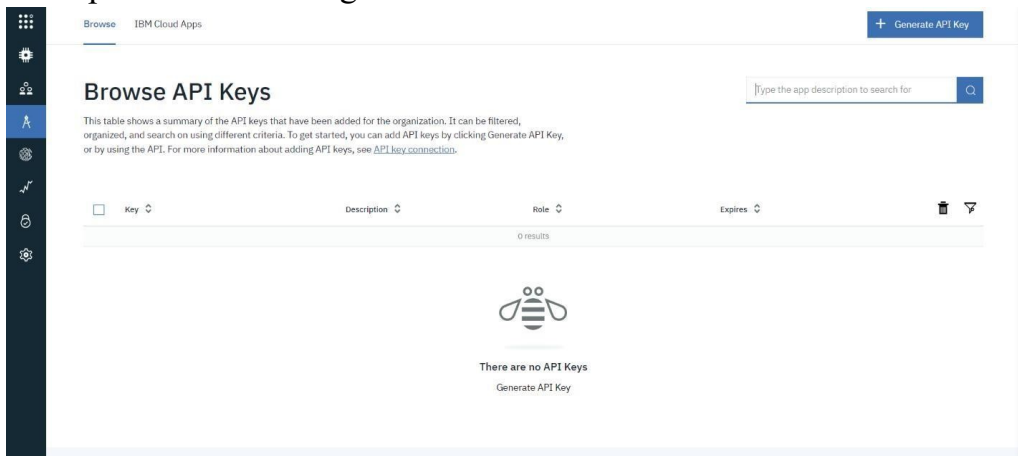
16. Usage gives the summary of how many bytes are used between the devices and the IBM cloud



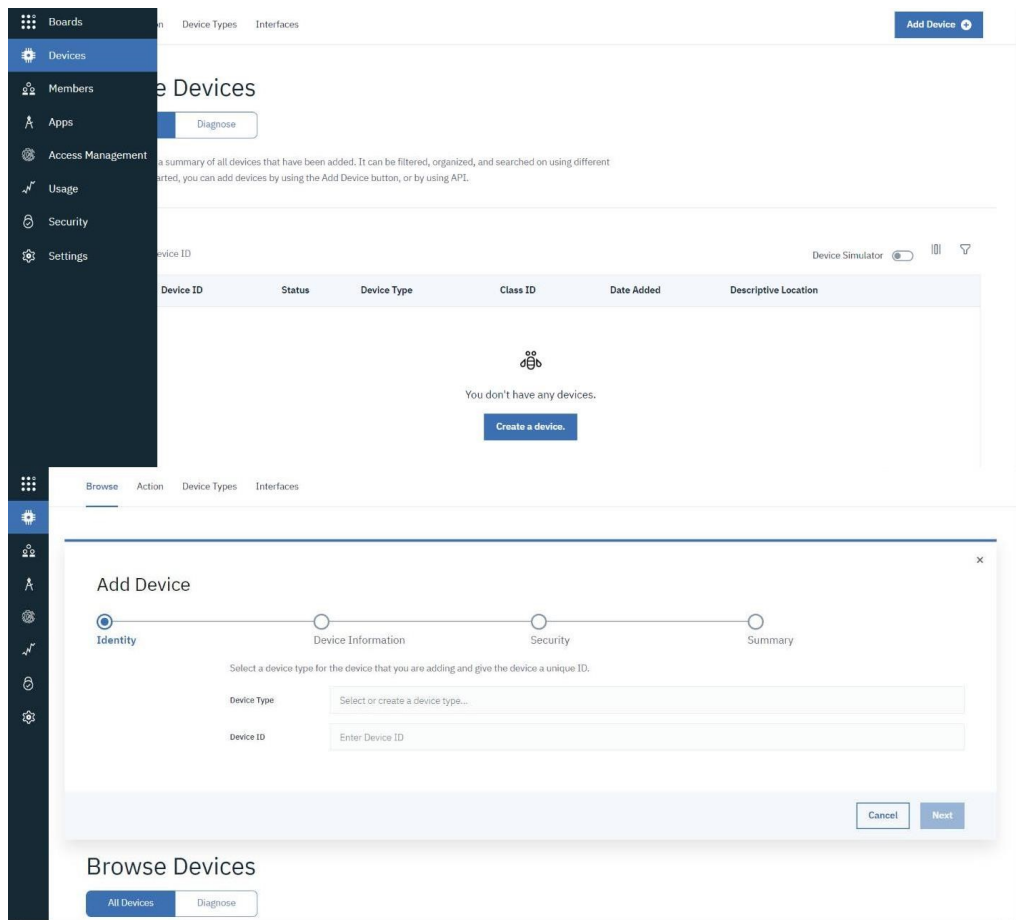
17. The member tab is add the team member to work in the platform



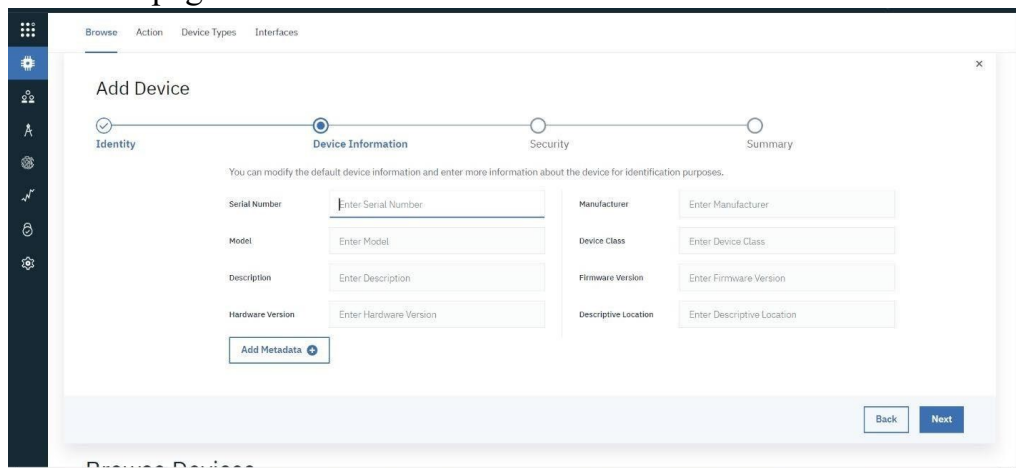
18. This tab is used when you want to connect to some other platform and to integrate with other services.



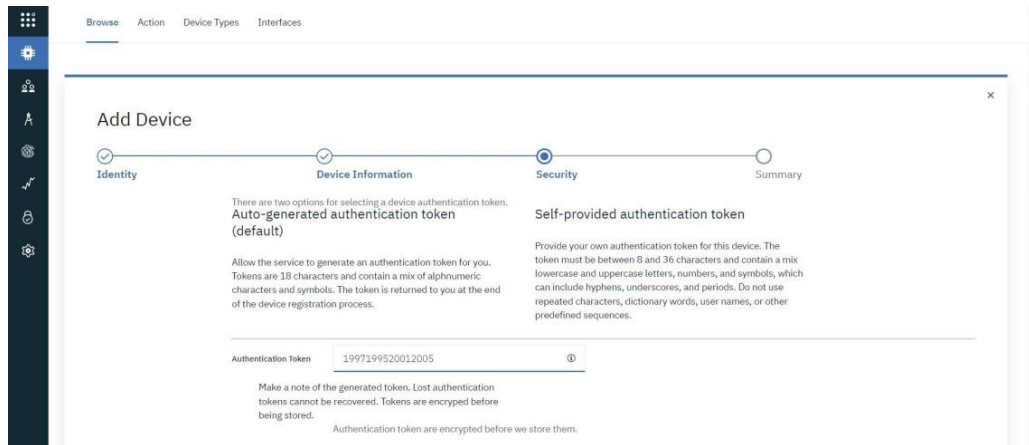
19. Click on the device tab and click on the add device button, then give the device type and device ID and click next



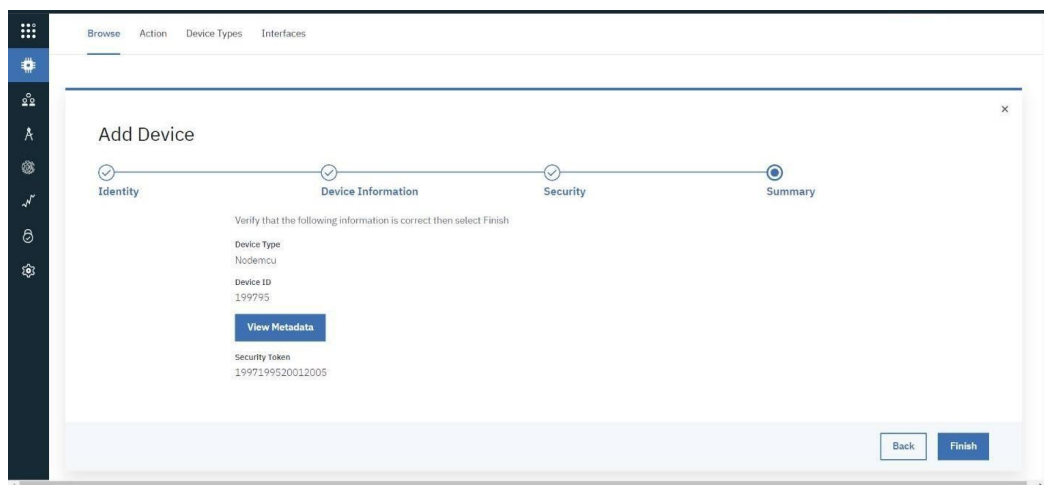
20. This page to enter details of the hardware



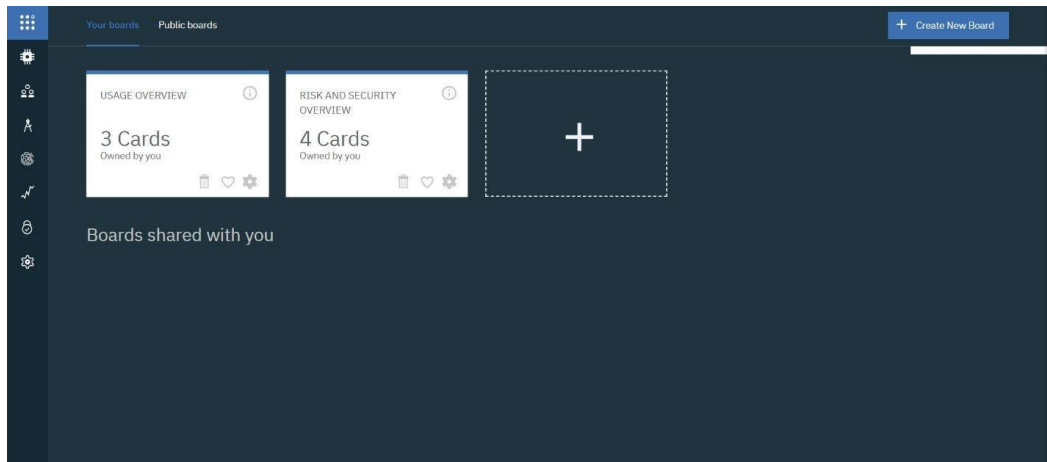
21. Clicking next it goes to the security where we do authentication token id.



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 Board will display a card for the project.



CONCLUSION:

An IBM Watson cloud for IoT and a device is created