

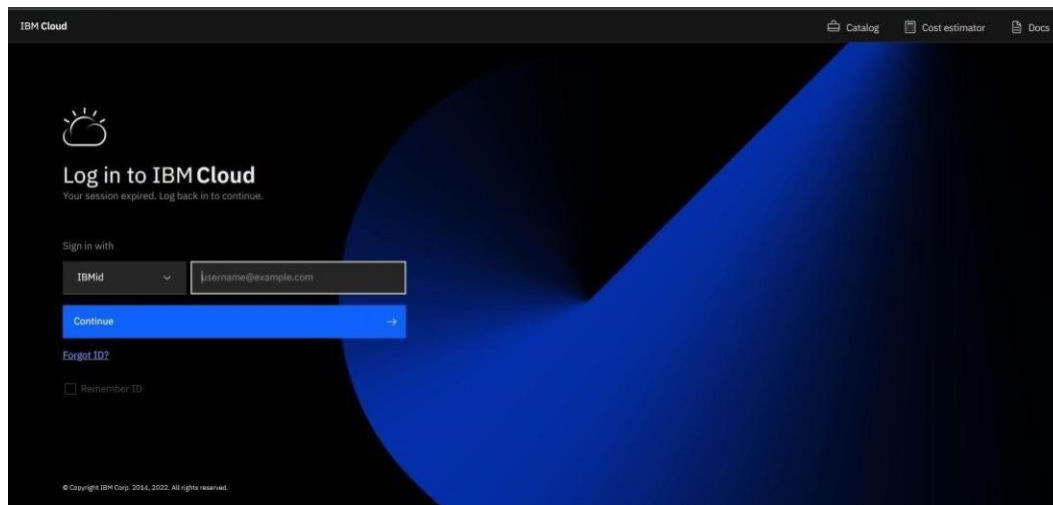
# CREATE IBM WATSON IOT PLATFORM AND DEVICE

TEAM ID	PNT2022TMID02415
PROJECT NAME	IOT Based Smart Crop Protection System for Agriculture

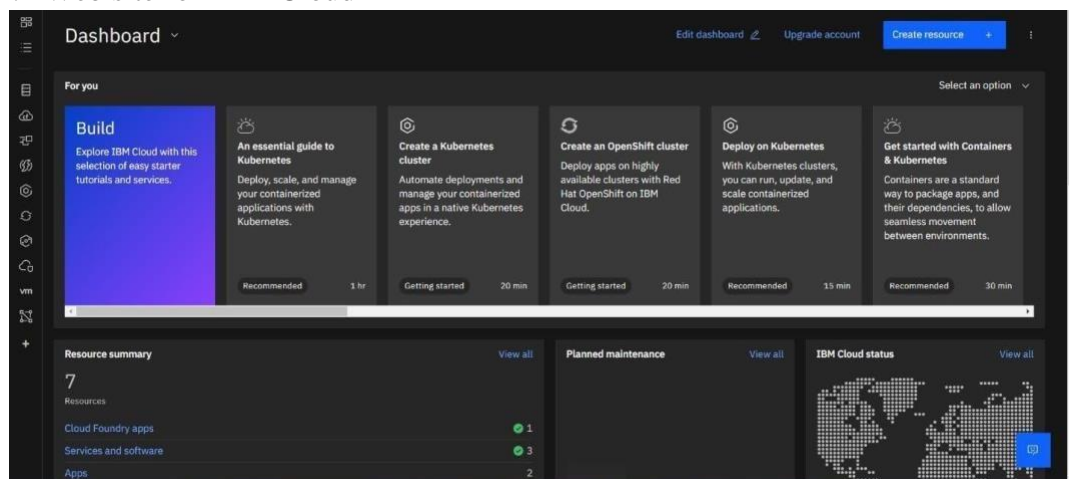
## IBM Watson IOT platform and device development

### STEPS:

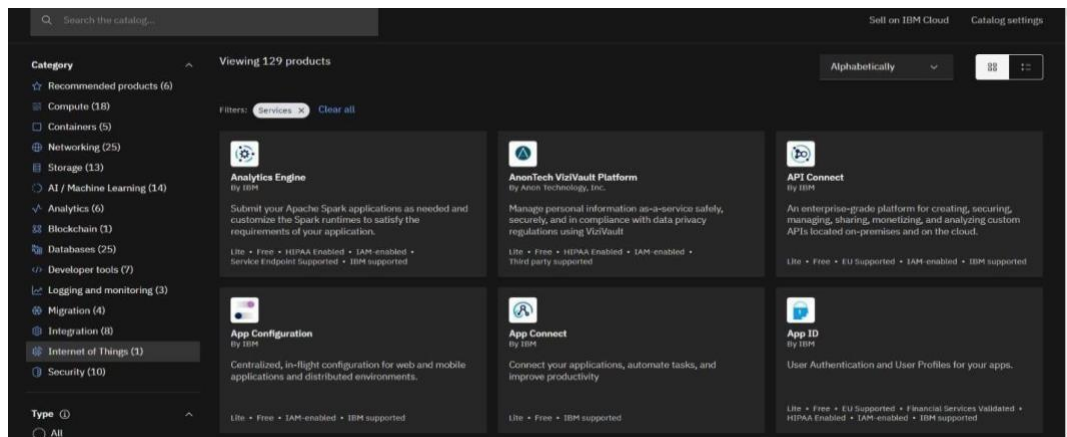
1. The unique IBM id and password are used to create an IBM cloud account.



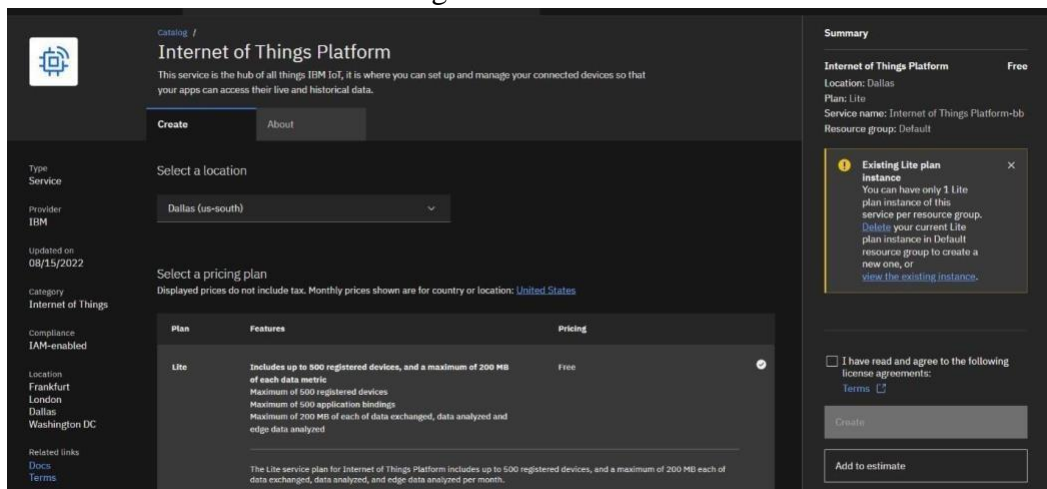
2. Web site for IBM Cloud



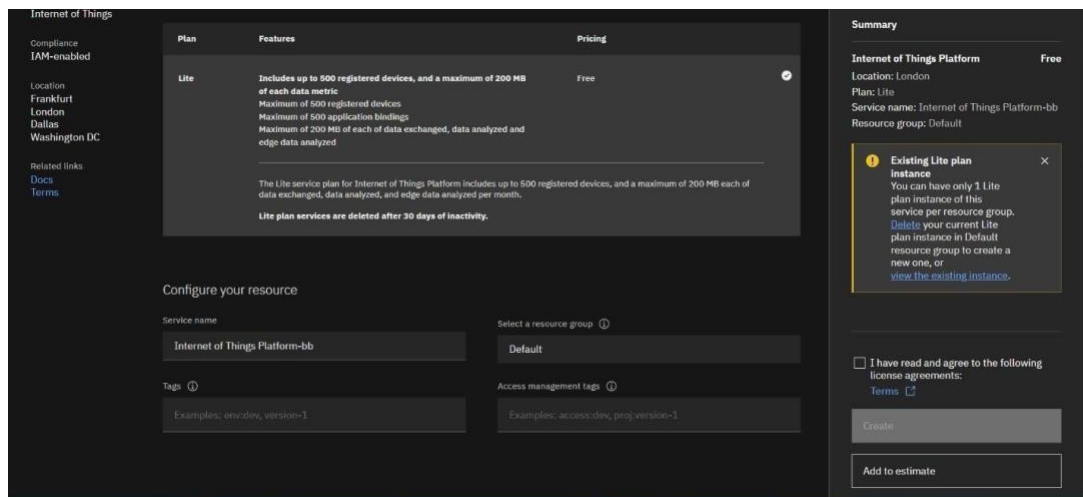
3. Select the catalogue link at the top.




4. Select IoT from the list of categories.



5. If a lite already exists, remove it; otherwise, you cannot create another.



6. Type the service name into the box under "Configure Your Resource," select the plan, check the box next to "Agree with Agreements," and then click "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.

**Create** About

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

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"> <li>Includes up to 500 registered devices, and a maximum of 200 MB of each data metric</li> <li>Maximum of 500 registered devices</li> <li>Maximum of 500 application bindings</li> <li>Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed</li> </ul> <p>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.</p>	Free

**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. click create

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"> <li>Includes up to 500 registered devices, and a maximum of 200 MB of each data metric</li> <li>Maximum of 500 registered devices</li> <li>Maximum of 500 application bindings</li> <li>Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed</li> </ul> <p>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.</p> <p>Lite plan services are deleted after 30 days of inactivity.</p>	Free

**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

Configure your resource

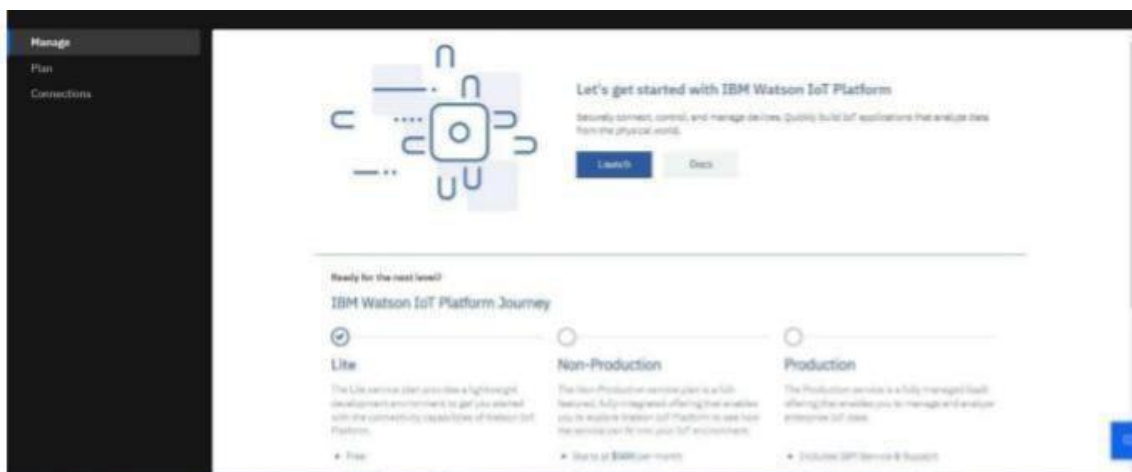
Service name: Internet of Things Platform-child\_safety

Tag: Examples: env:dev, version-1

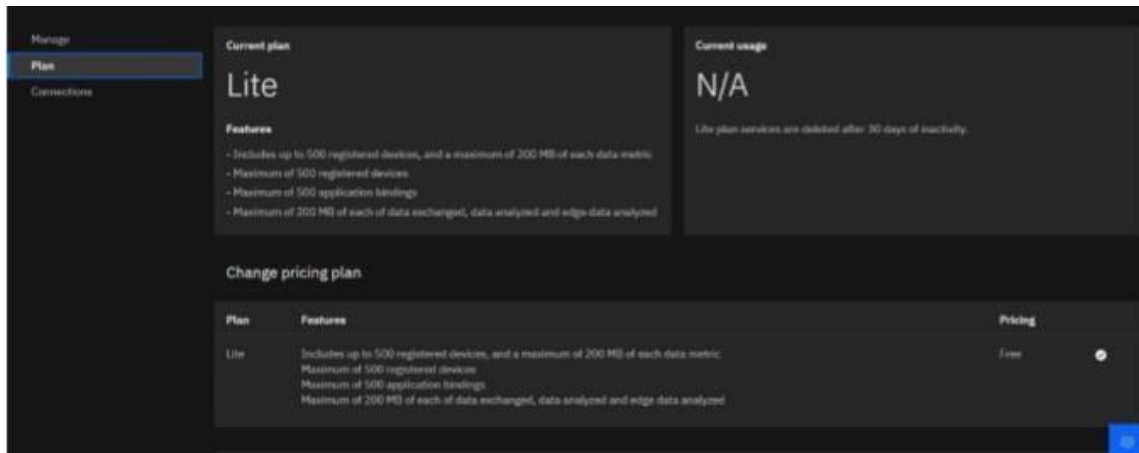
Select a resource group: Default

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

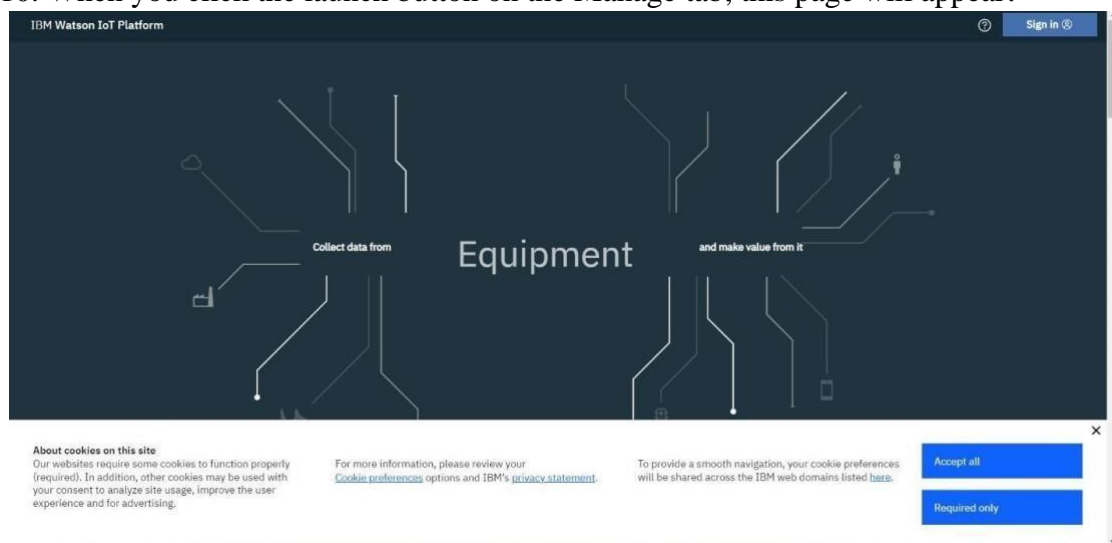
8. Platform for Internet of Things There will be a new page called Child Safety with options like Manage, Plan, and Connection.



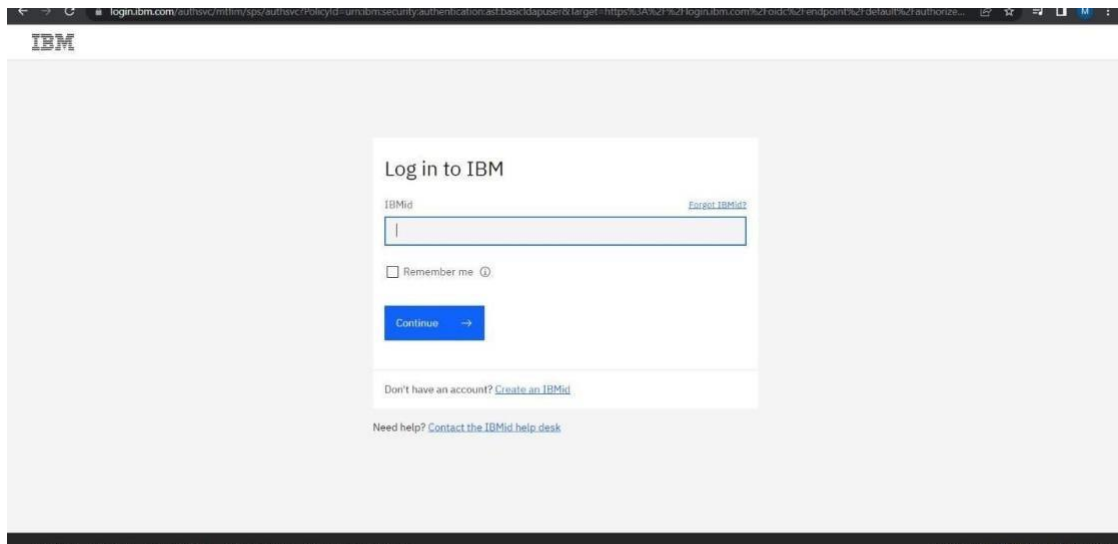
9. The connection is used to link IOT with other services, while manage is for launch and plan informs us about the payment package and its upgrades.



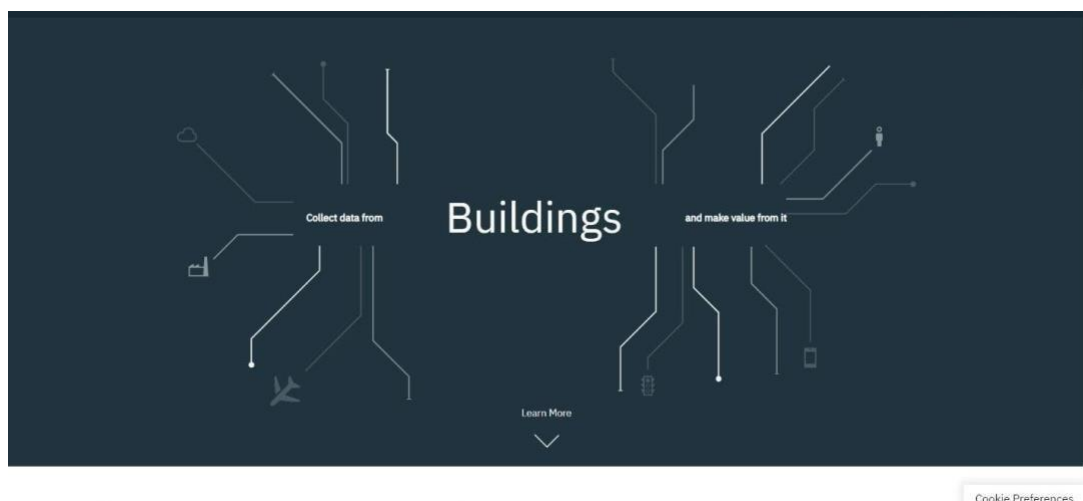
10. When you click the launch button on the Manage tab, this page will appear.



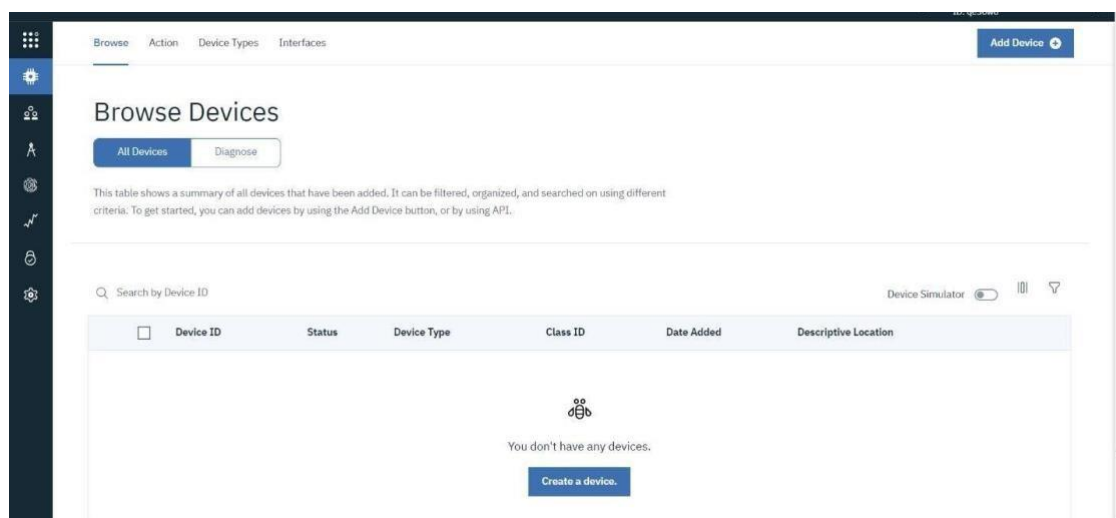
11. Fill in the information to create a device by logging into the Watson Cloud.



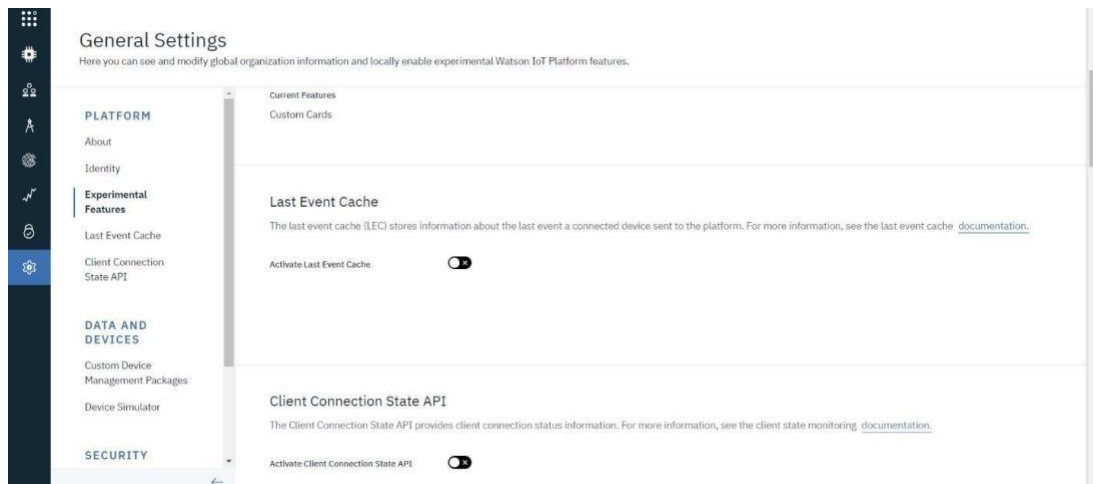
12. After logging in, the name is displayed and the page returns to the home page.



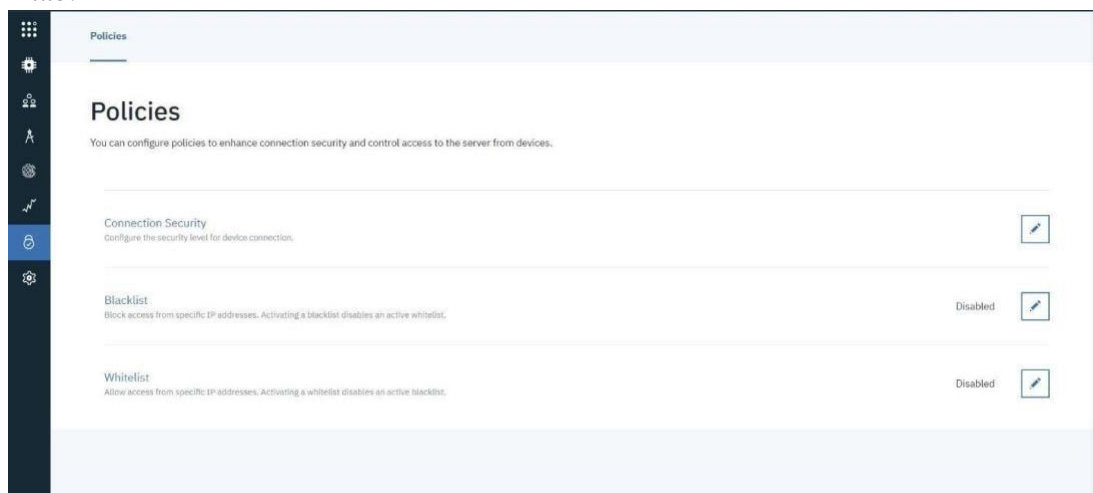
13. Clicking the launch button once more will open this tab, which contains a tool for creating and adding devices as well as for displaying information about them.



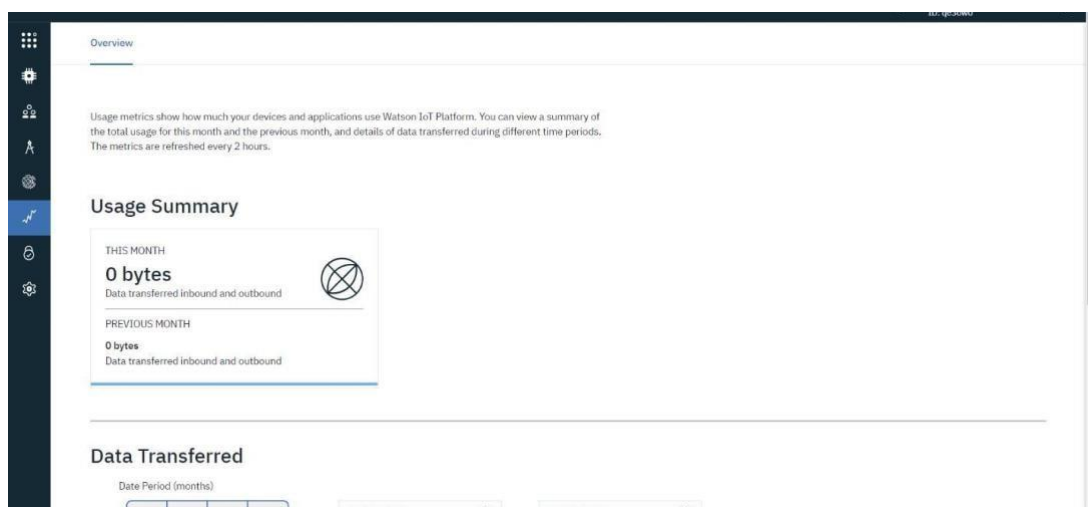
14. If necessary for the project, the general setting can be changed using the setting tab.



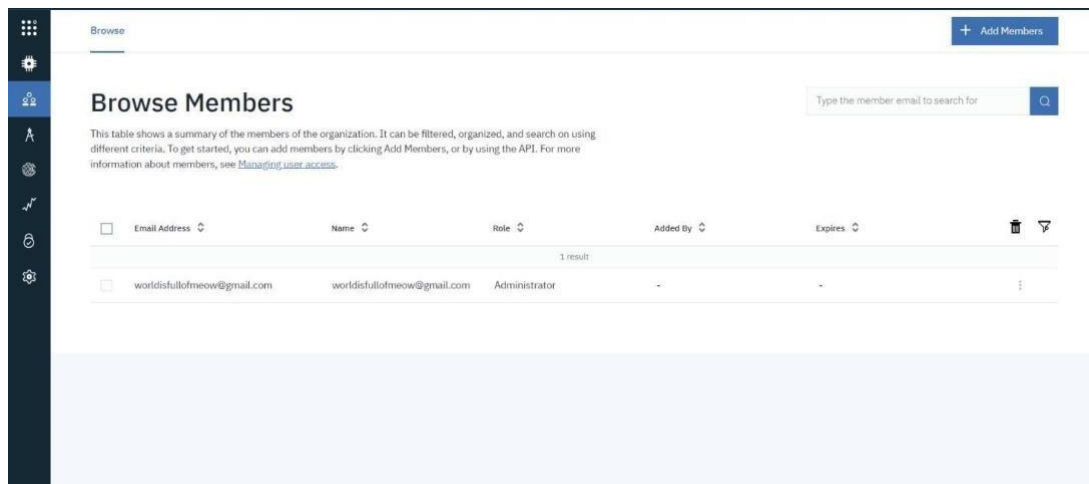
15. We can change the type of security connection and the specification in the security tab.



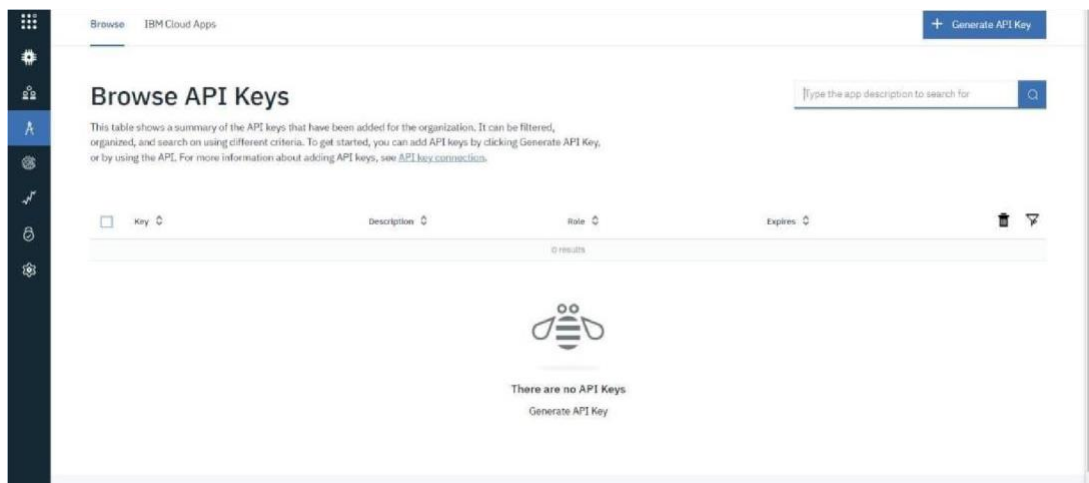
16. Usage summarises the amount of data transferred between the devices and the IBM cloud.



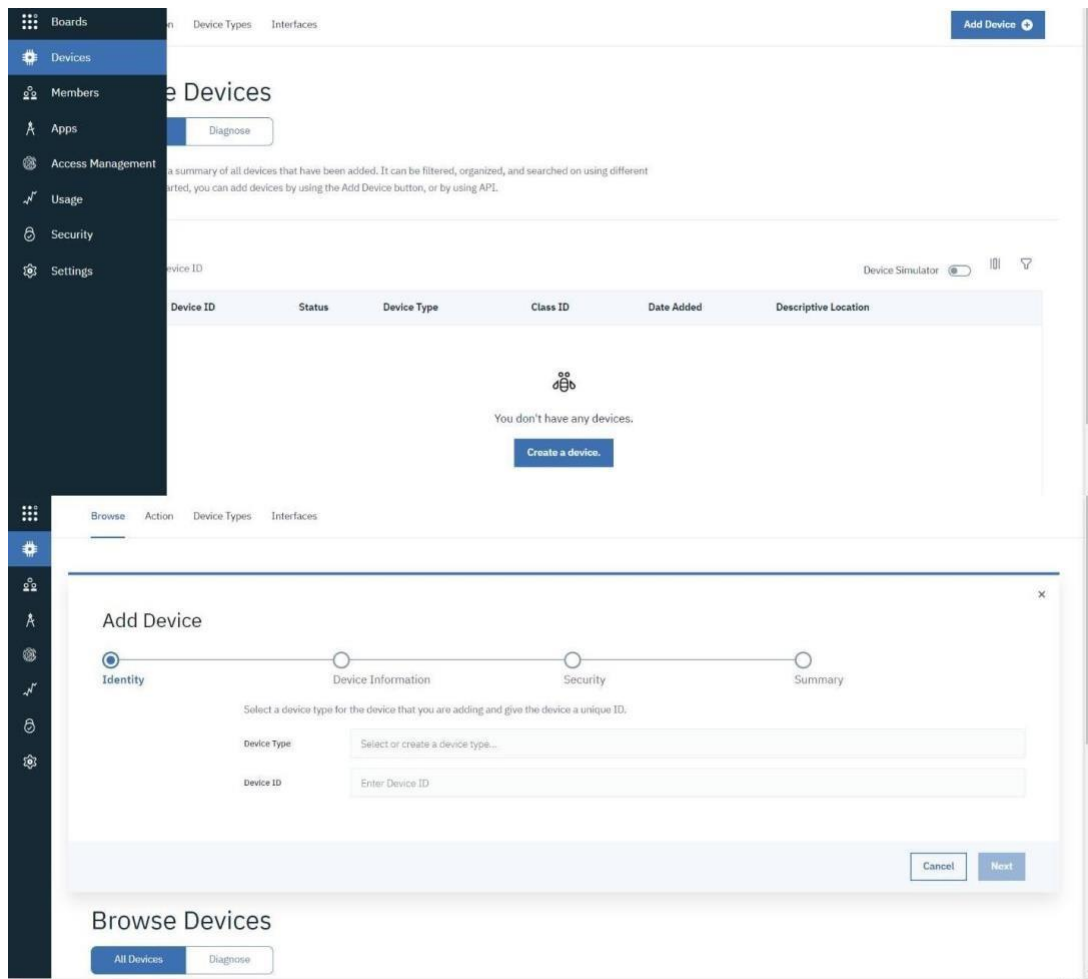
17. The team members are added to the platform through the member tab.



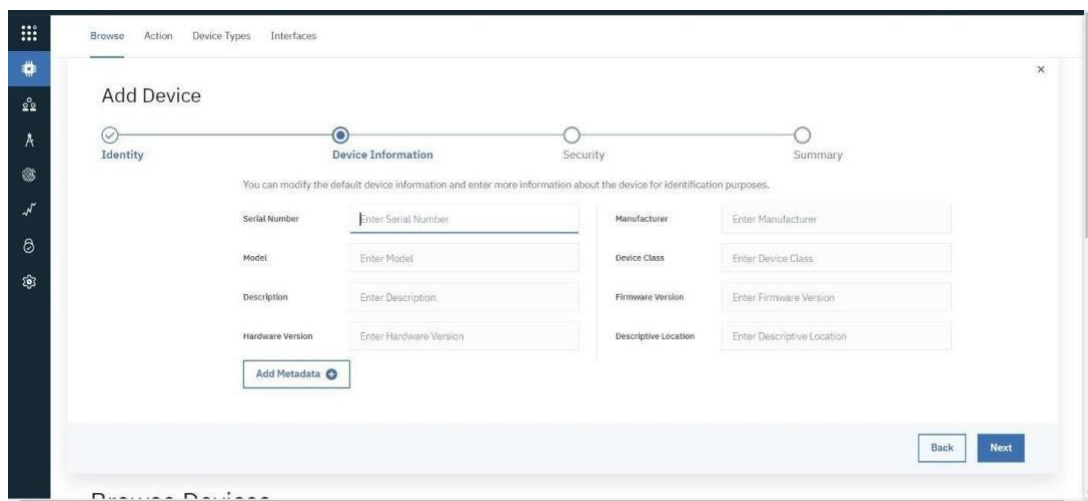
18. When you want to connect to another platform and integrate with other services, you use this tab.



19. Select the device tab, select Add Device, enter the device type and device id, and select Next.

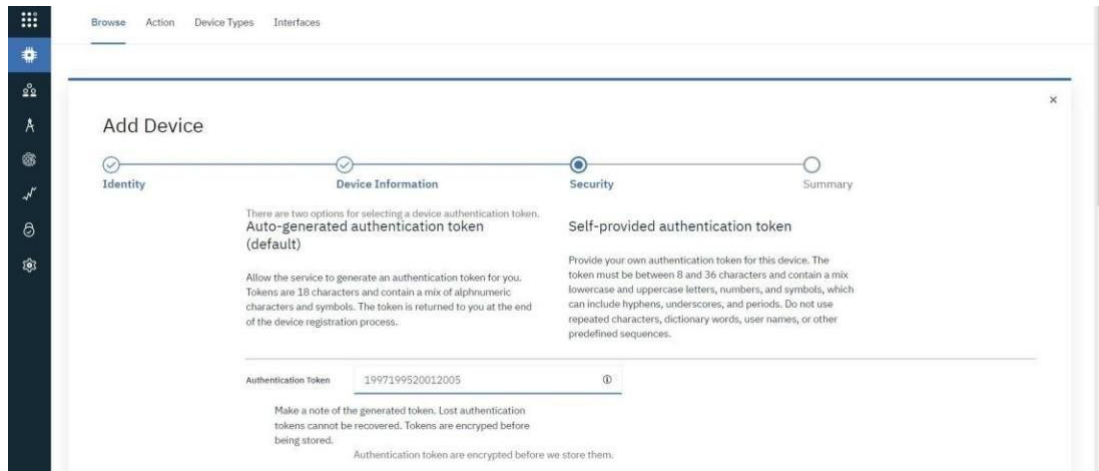


20. This page to add additional information and of the hardware

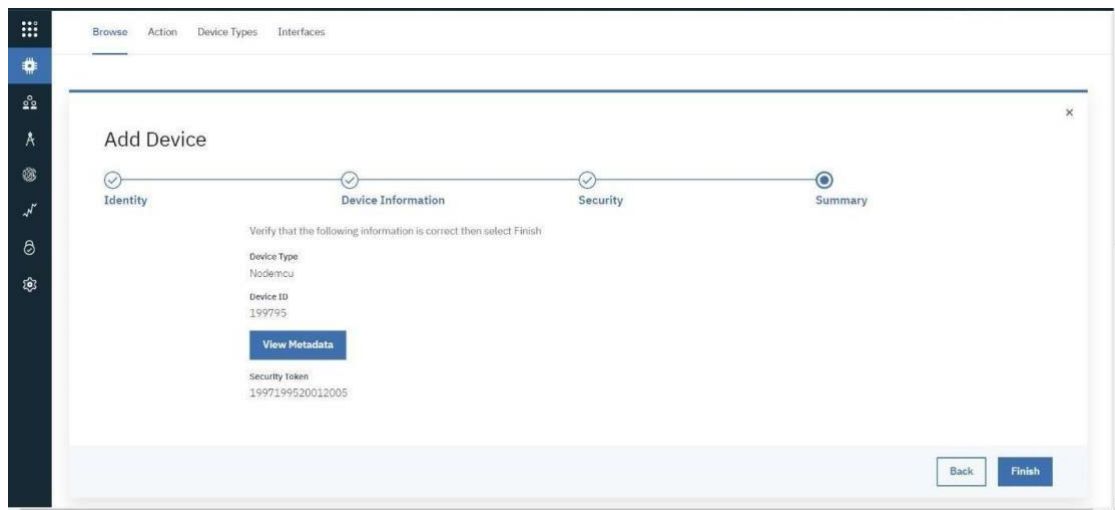


21. After clicking next, the security screen appears, where we perform authentication token id.





22. After selecting Next, the device's summary is displayed. Finally, select Finish.

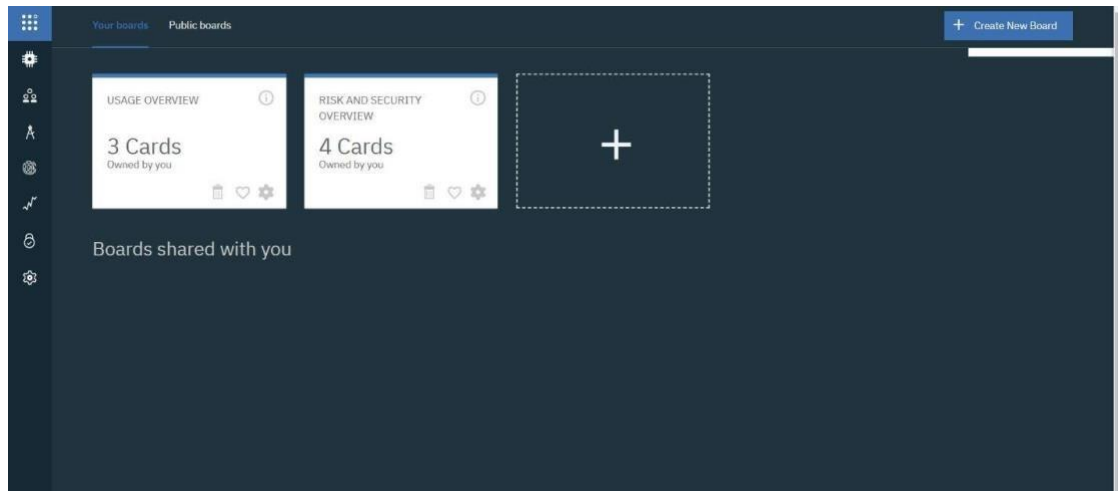


23. A detailed display of the device credentials will appear.

24. Protect the device information because authentication tokens are nonrecoverable and must be created anew if lost..

25. We can now see the newly inserted device by clicking the device tab. The further information will be shown when you click on it. There are several tabs on it, including Identity, Device Information, State, and Login. According to the specifications of our project, we can similarly create n number of devices with a 50 per page limit.

26.The project cards will be displayed on the boards.



## **CONCLUSION:**

A device and an IBM Watson cloud are developed.