

CREATE IBM WATSON IOT PLATFORM AND DEVICE

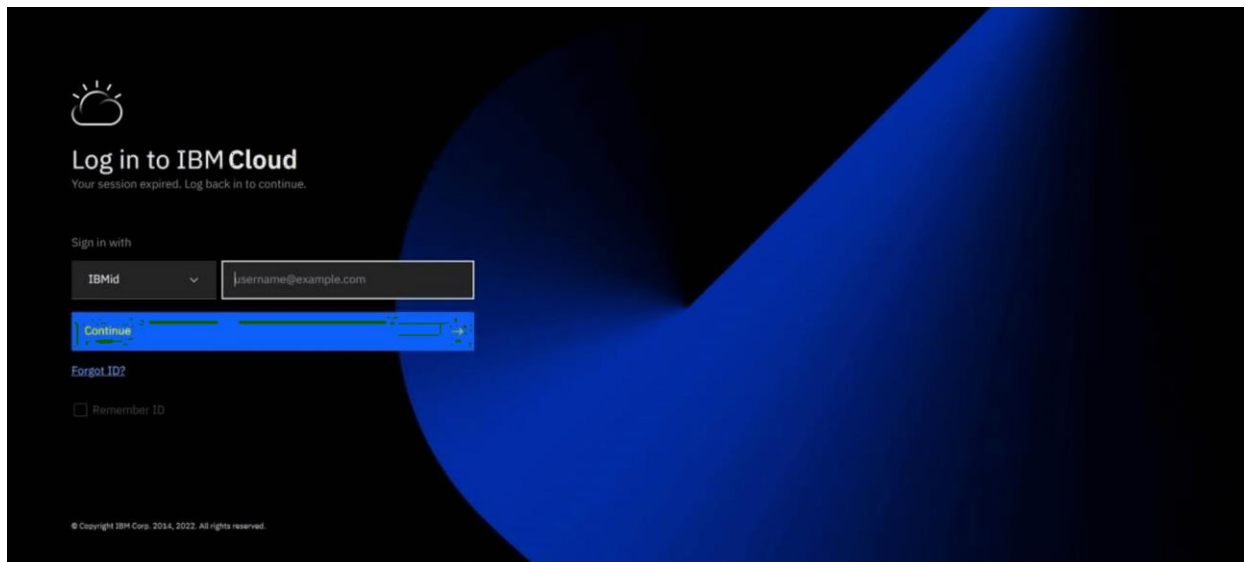
TEAM ID	PNT2022TMID51566
Project Name	IOT based safety gadget for child safety monitoring and notification

AIM:

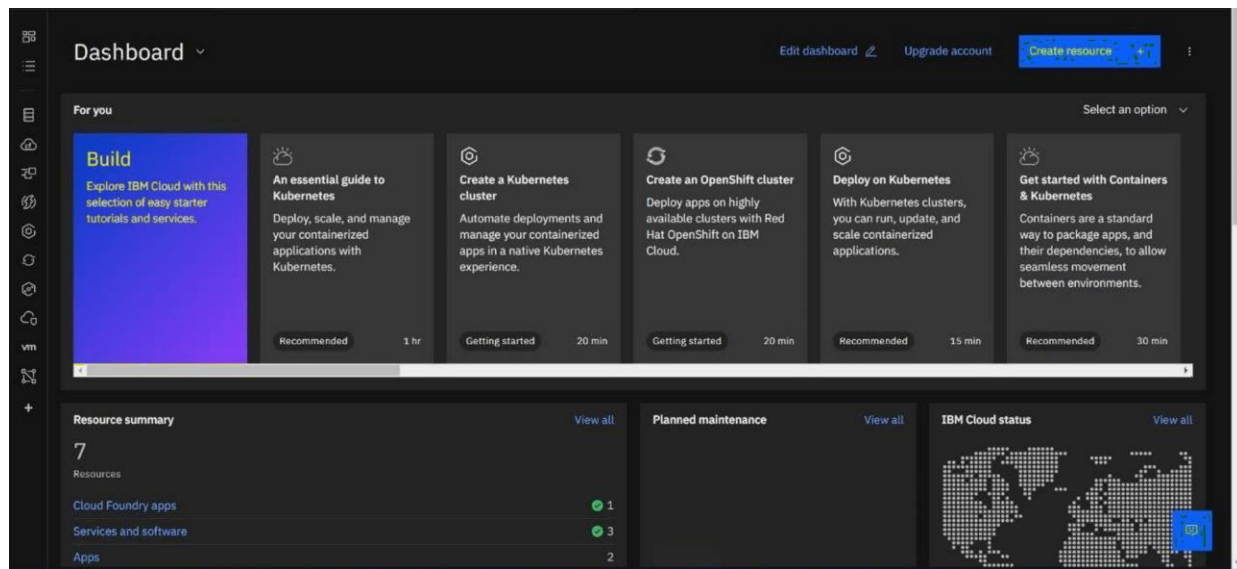
To create the IBM Watson IoT platform and device

STEPS:

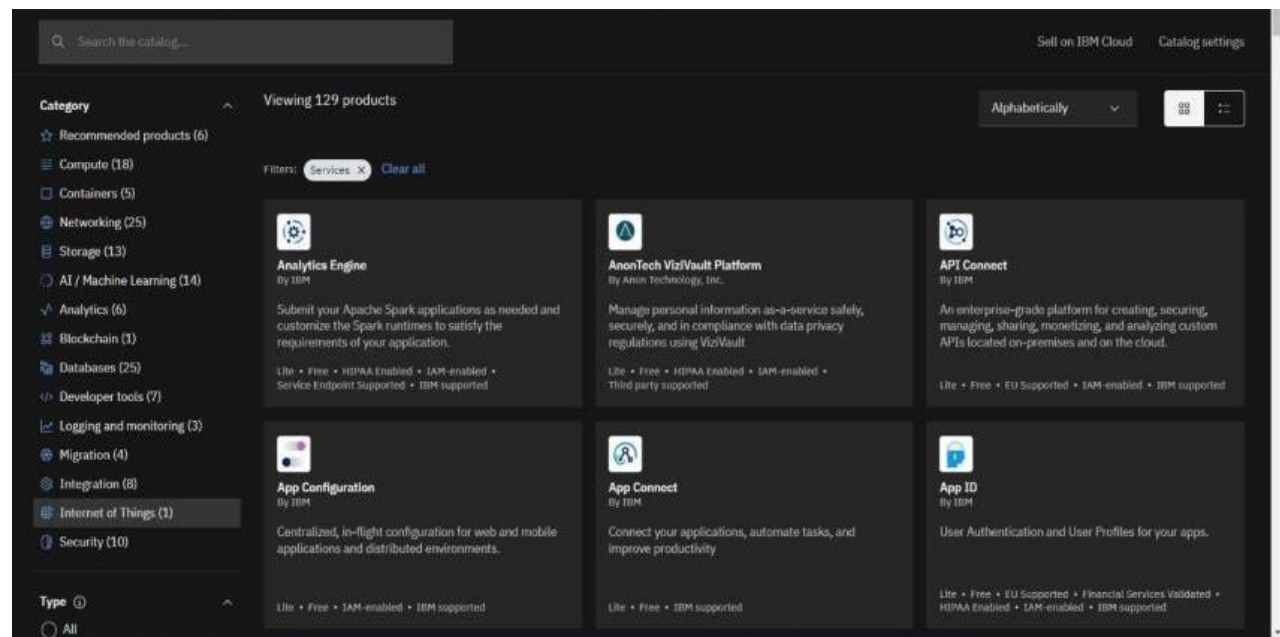
1. Firstly create an IBM cloud account with IBMid and password




2. Home page of IBM cloud



3. Click on the catalog on the top



4. Click on IoT in the category mentioned



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	<p>Includes up to 500 registered devices, and a maximum of 200 MB of each data metric</p> <ul style="list-style-type: none"> 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-bb

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

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

Internet of Things

Compliance
IAM-enabled

Location
Frankfurt
London
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Related links
Docs
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Plan	Features	Pricing
Lite	<p>Includes up to 500 registered devices, and a maximum of 200 MB of each data metric</p> <ul style="list-style-type: none"> 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
Internet of Things Platform-bb

Select a resource group
Default

Tags
Examples: env:dev, version-1

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

Summary

Internet of Things Platform **Free**

Location: London

Plan: Lite

Service name: Internet of Things Platform-bb

Resource group: Default

Existing Lite plan instance

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Create

Add to estimate

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

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	Includes up to 500 registered devices, and a maximum of 200 MB of each data metric 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](#).

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Create

Add to estimate

Internet of Things

Compliance: IAM-enabled

Location: Frankfurt, London, Dallas, Washington DC

Related links: Docs, Terms

Plan	Features	Pricing
Lite	Includes up to 500 registered devices, and a maximum of 200 MB of each data metric 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

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Lite plan services are deleted after 30 days of inactivity.

Configure your resource

Service name: Internet of Things Platform-child_safety

Select a resource group: Default

Tags: Examples: env:dev, version-1

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

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

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

7.

Resource list /
Internet of Things Platform-child_safety
Active
Add tags
Details
Actions...

Manage
Plan
Connections

Current plan
Lite
Features

- 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

Current usage
N/A

Lite plan services are deleted after 30 days of inactivity.

Change pricing plan

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 Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed	Free

https://cloud.ibm.com/services/iotf-service/crm%3A%3Abluemix%3Apublic%3Aiotf-service%3Aeu-gb%3A%2Fb77a43cd7e04aa8abc85ca562dba69%3A87a72bdc-1bf7-44a2-b735-4cd2b61b2403%3A%3A?panelid=plan&new=true

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 store, control, and manage devices; quickly build IoT applications that analyze data; share the digital world.

[Launch](#) [Docs](#)

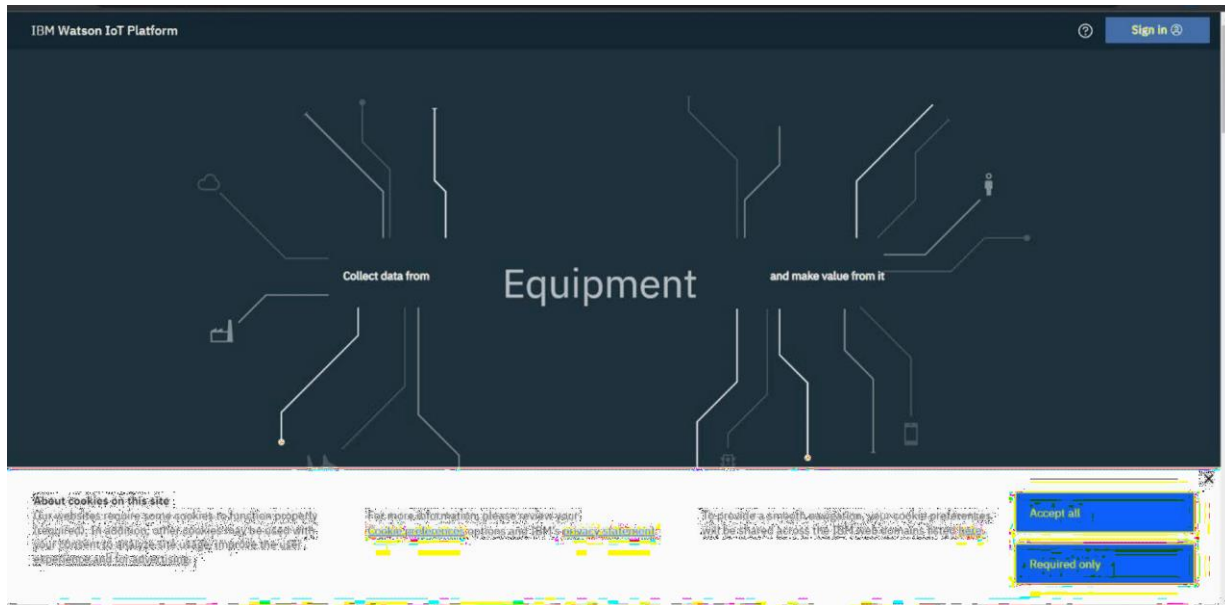
IBM Watson IoT Platform Journey

- Life**
 - Get started with the Watson IoT Platform
 - Develop your first application
 - Securely store, control, and manage devices
 - Share the digital world
- Non-Production**
 - Develop your first application
 - Securely store, control, and manage devices
 - Share the digital world
- Production**
 - Develop your first application
 - Securely store, control, and manage devices
 - Share the digital world

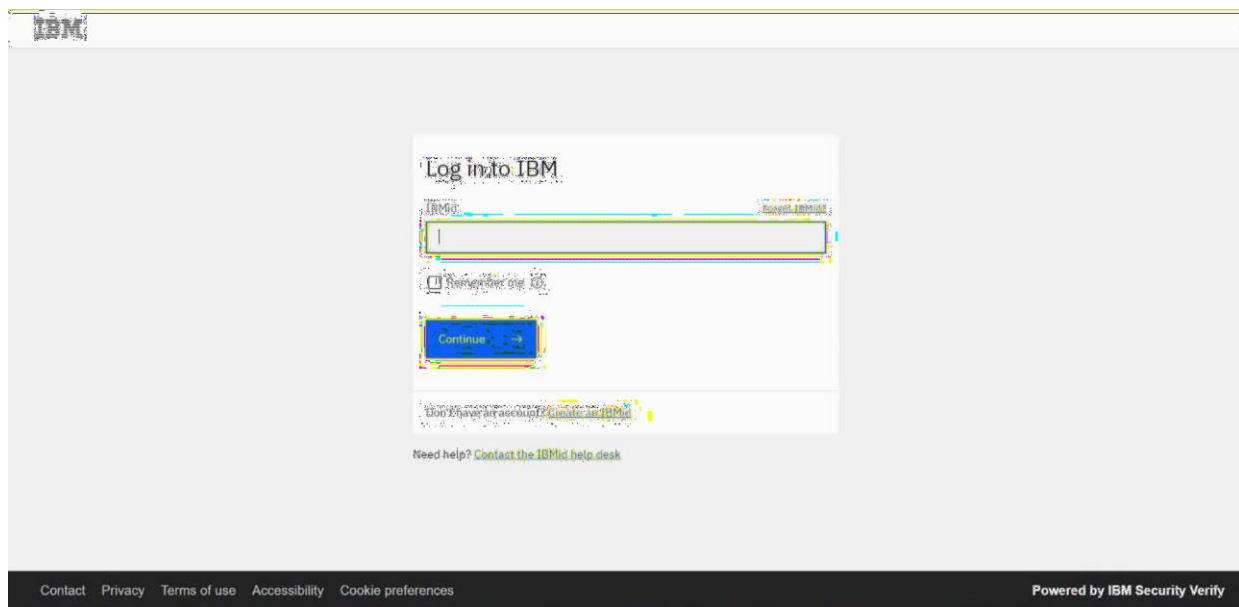
connection is for to connect IoT with other servies)

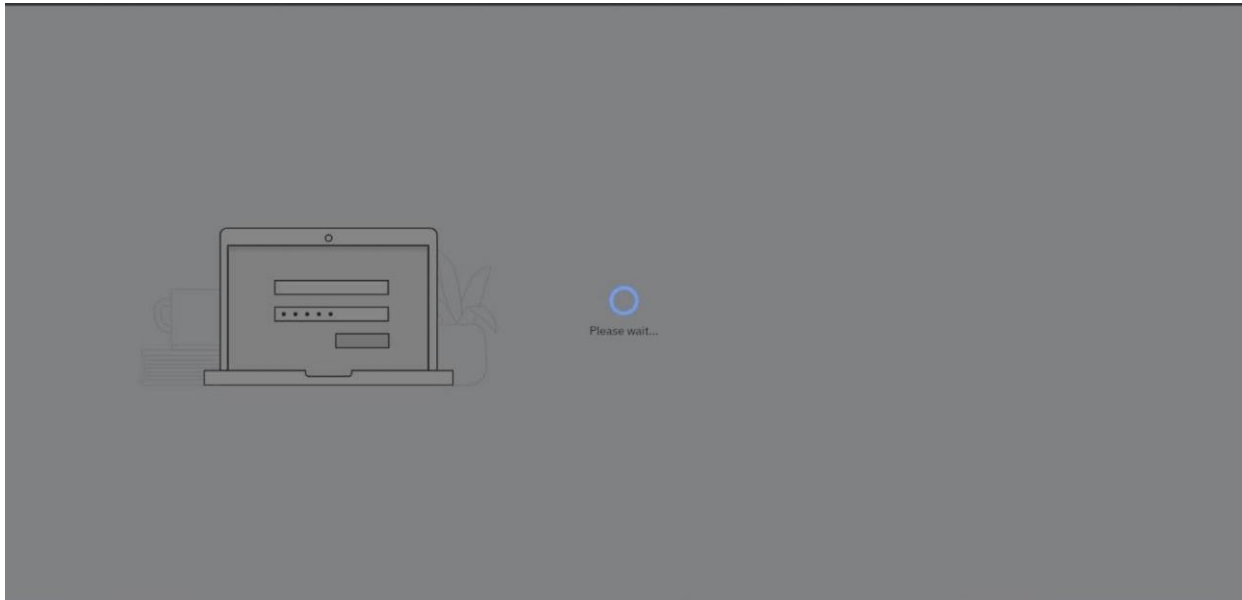
8.

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

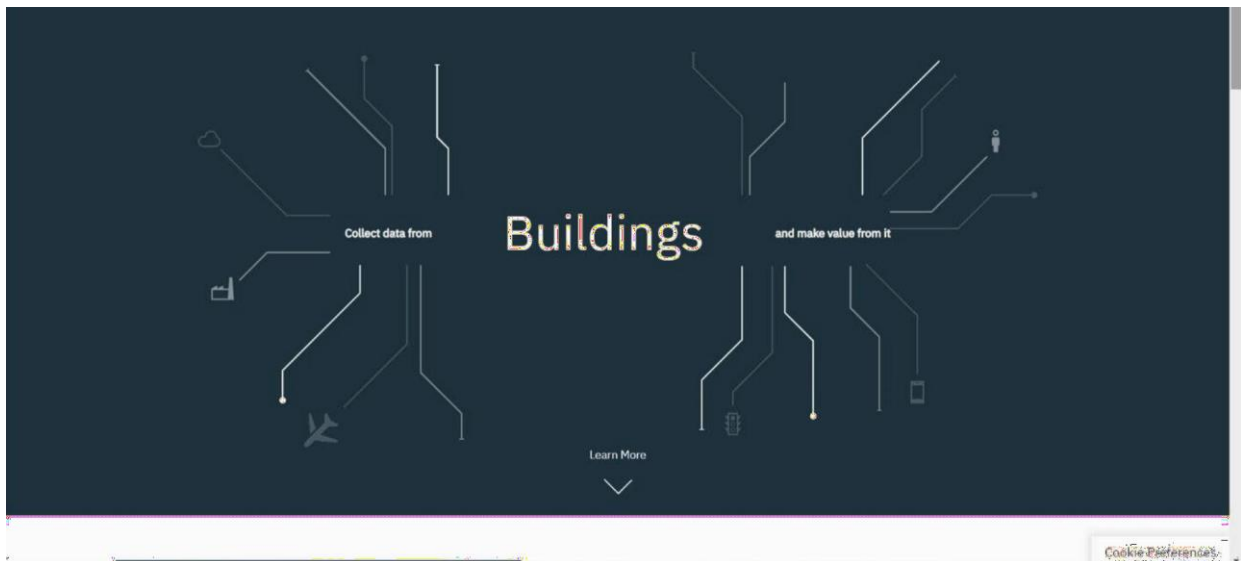


9. Enter the details to sign in to the Watson Cloud to create a device

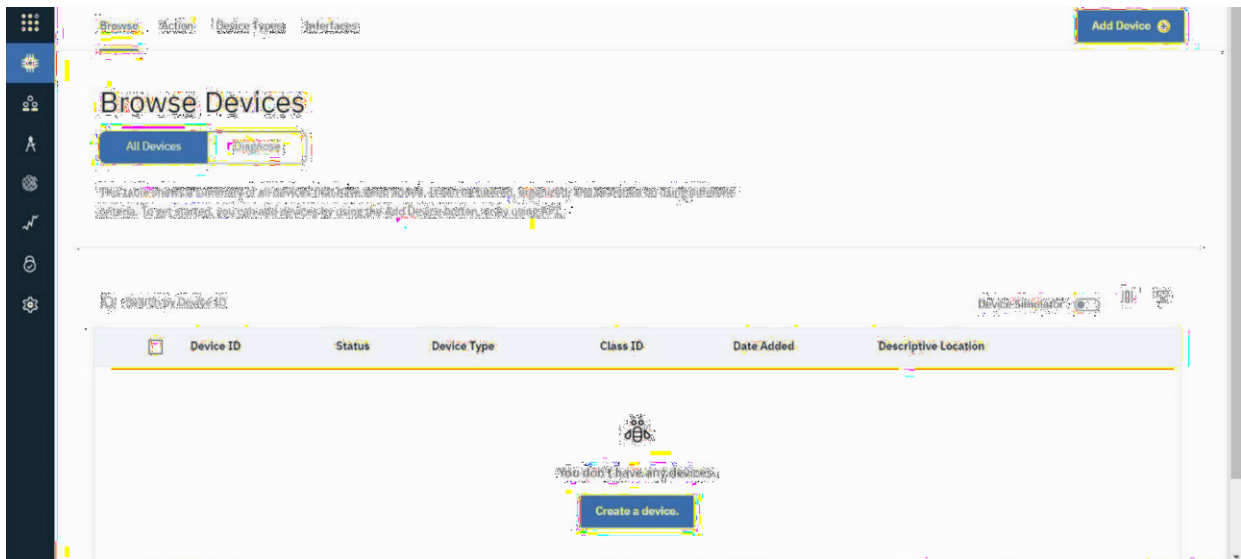




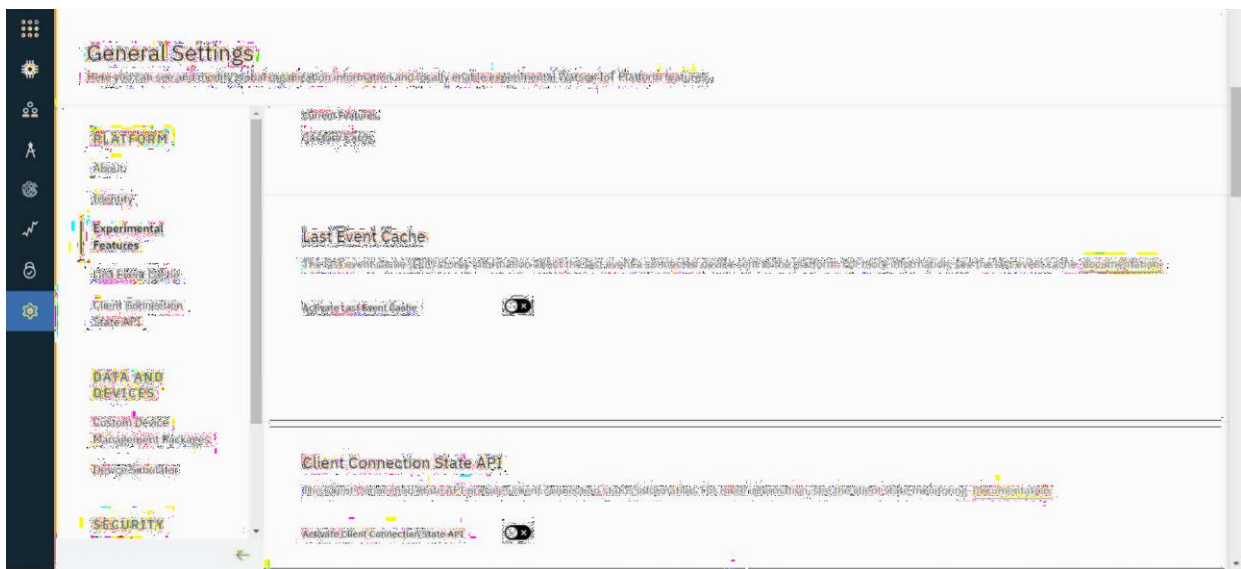
10. Once logged in the name will be displayed and it goes back to the first page



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.



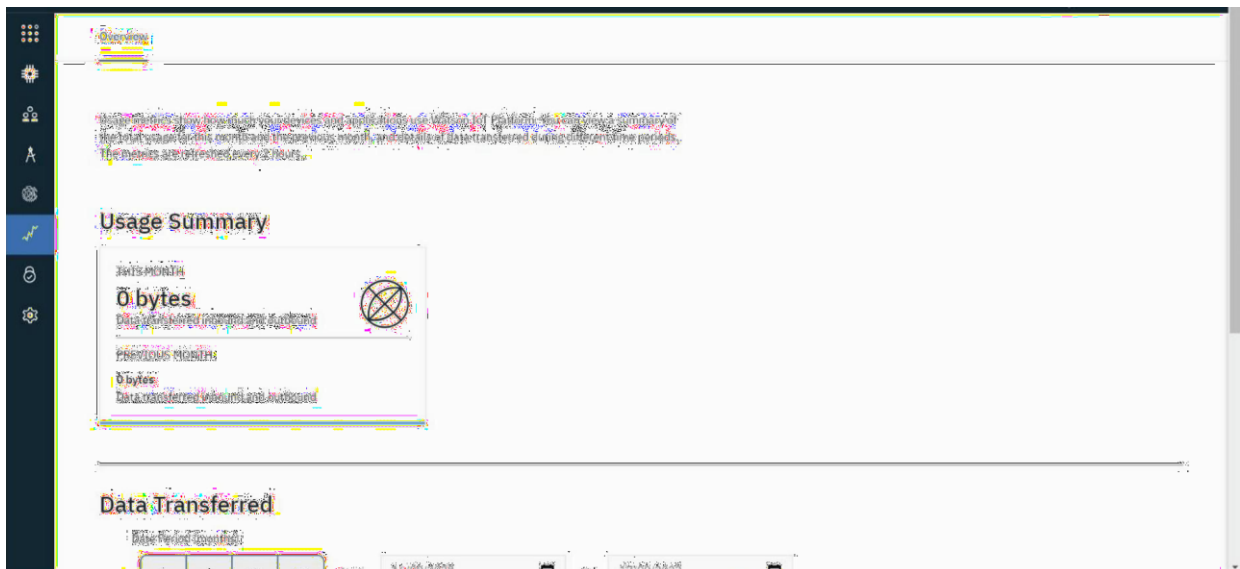
12. The setting tab is used to change the general setting if needed for the project.



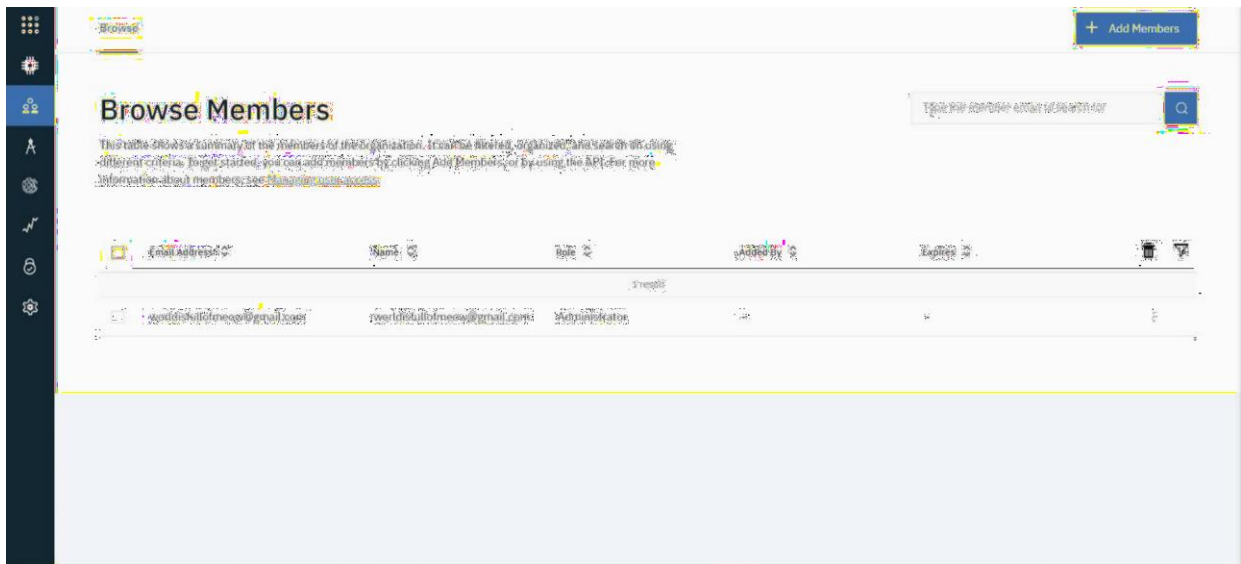
13. In the security tab we can choose the type of security connection and can change according to specification



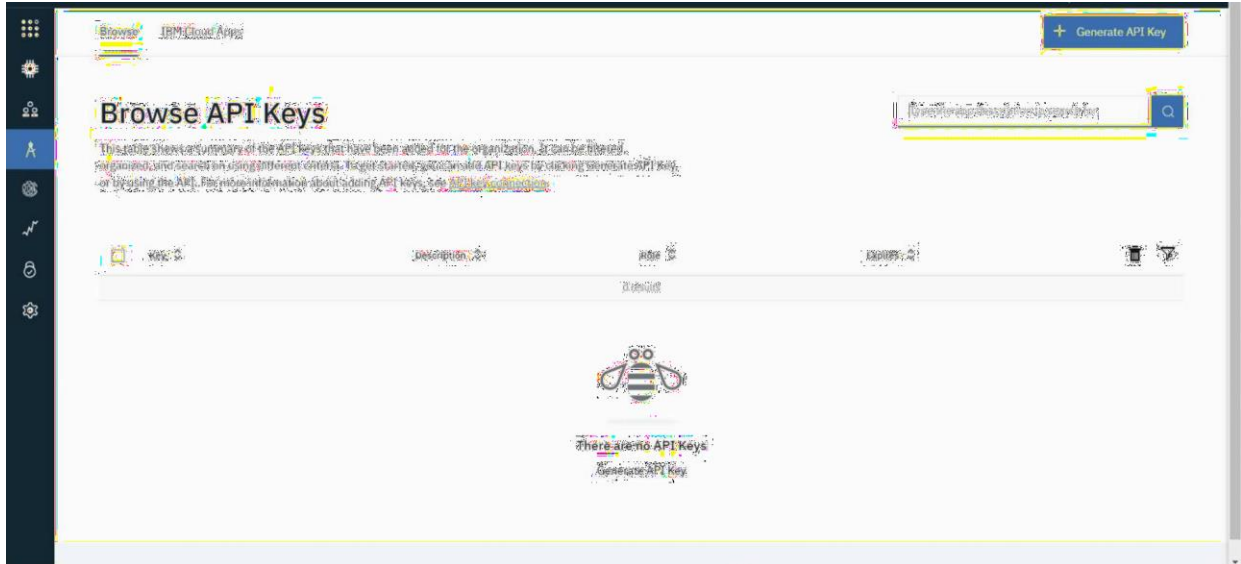
14. Usage gives the summary of how many bytes are used between the devices and the IBM cloud.



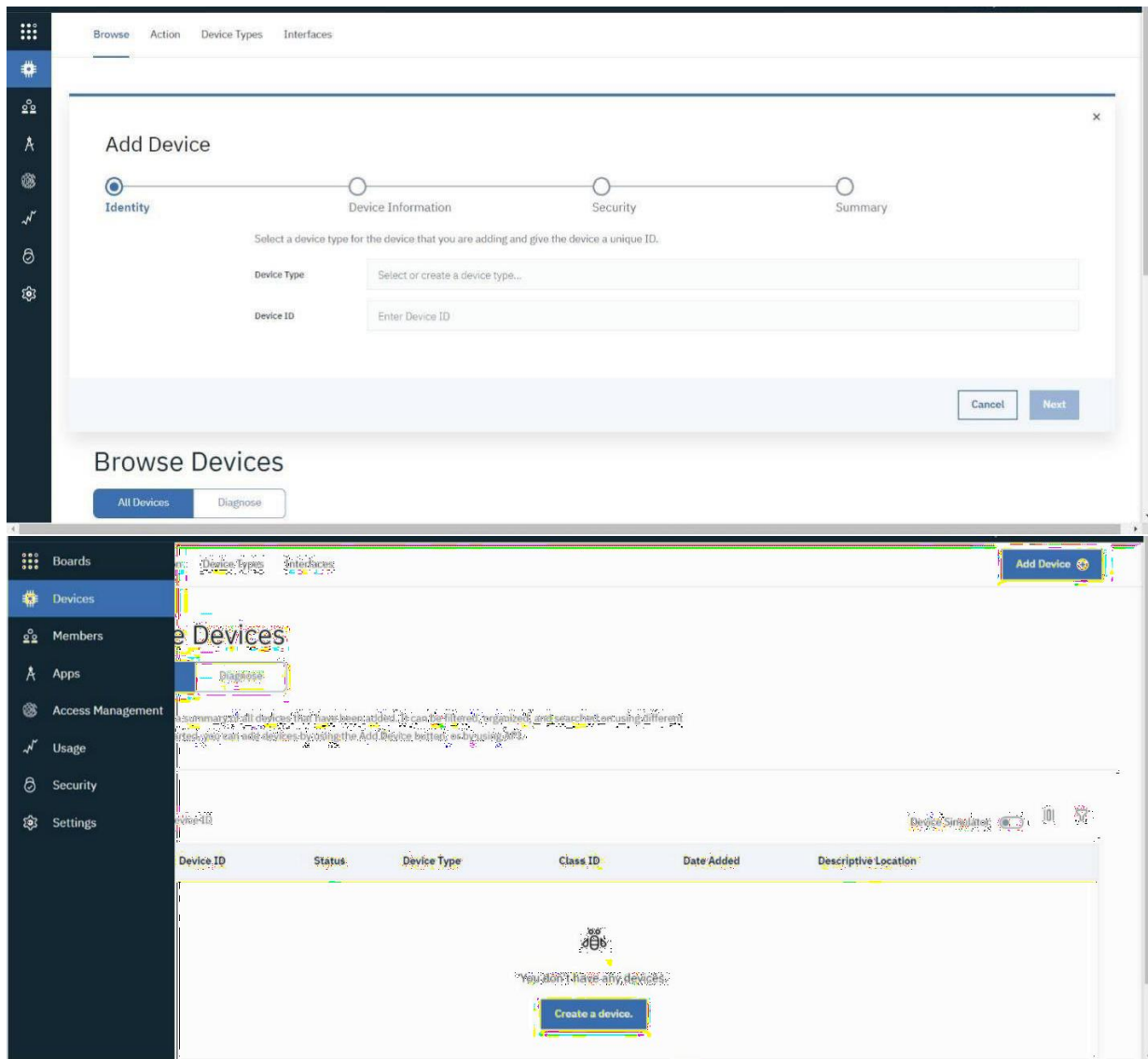
15. The member tab is add the teams members to work in the platform



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



17. Click on the device tab and click on the add device button, then give the



device type and device id and click next

Add Device

Identity Device Information Security Summary

Device Type:

Device ID:

Browse Devices

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

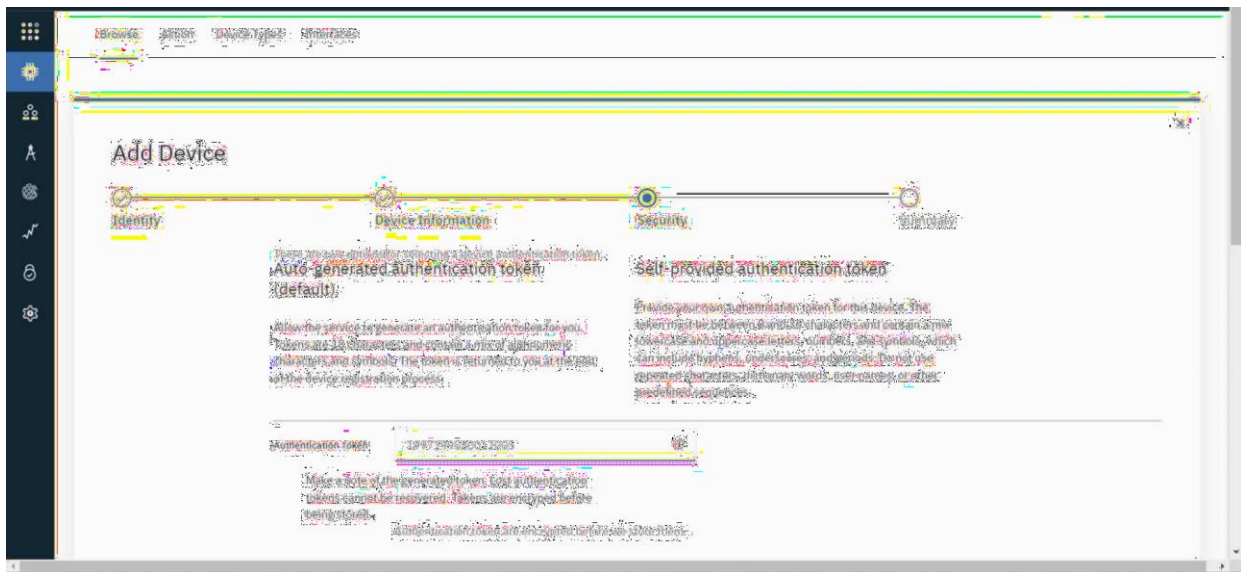
Add Device

Identity **Device Information** Security Summary

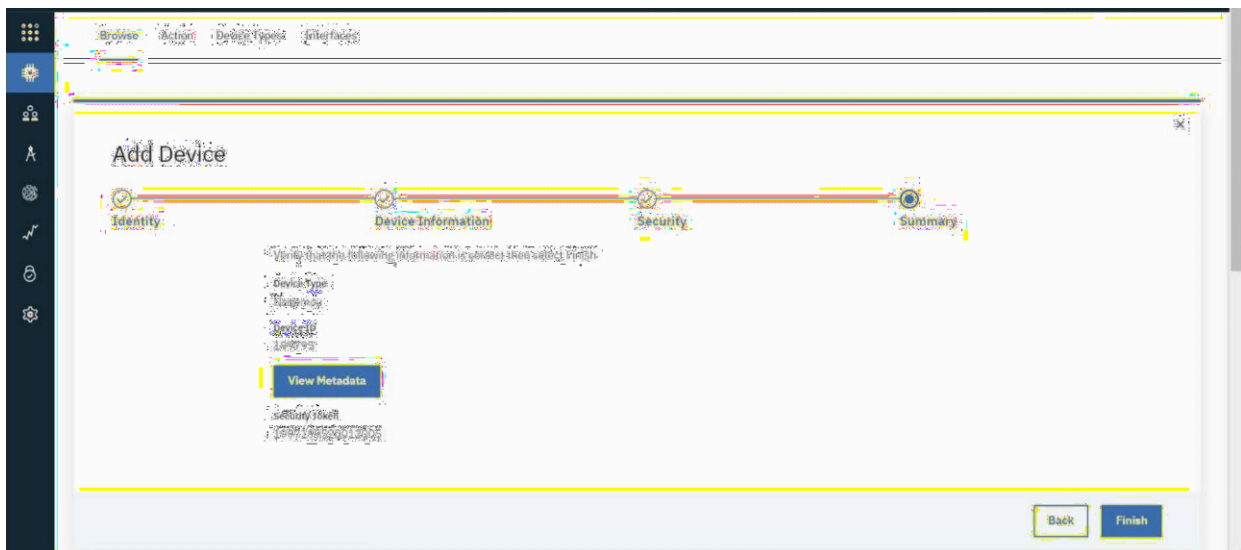
You can modify the default device information and enter more information about the device for identification purposes.

Serial Number:	<input type="text" value="Enter Serial Number"/>	Manufacturer:	<input type="text" value="Enter Manufacturer"/>
Model:	<input type="text" value="Enter Model"/>	Device Class:	<input type="text" value="Enter Device Class"/>
Description:	<input type="text" value="Enter Description"/>	Firmware Version:	<input type="text" value="Enter Firmware Version"/>
Hardware Version:	<input type="text" value="Enter Hardware Version"/>	Device Hardware ID:	<input type="text" value="Enter Device Hardware ID"/>

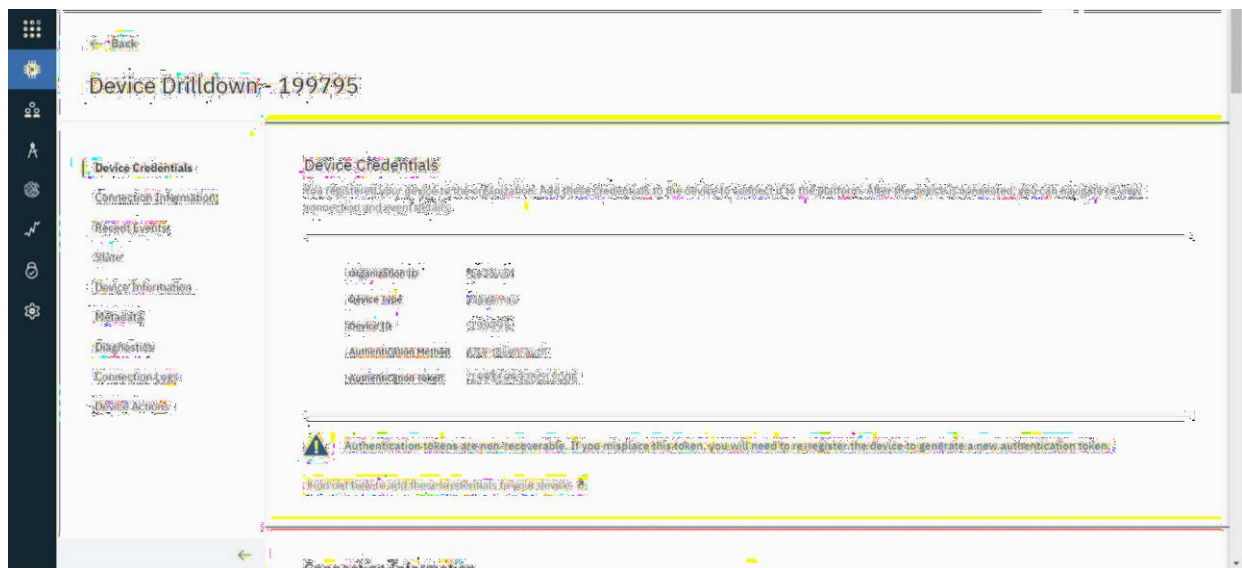
19. Clicking next it goes to the security where we do authentication token id.



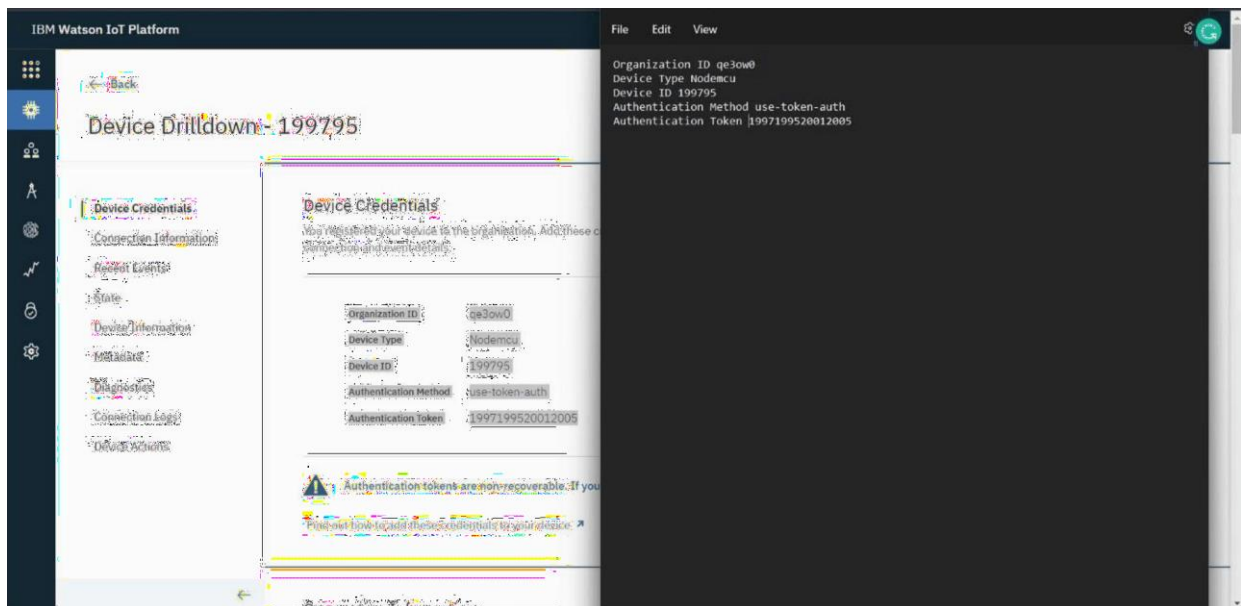
20. Clicking on next it goes to the summary of the device then click finish



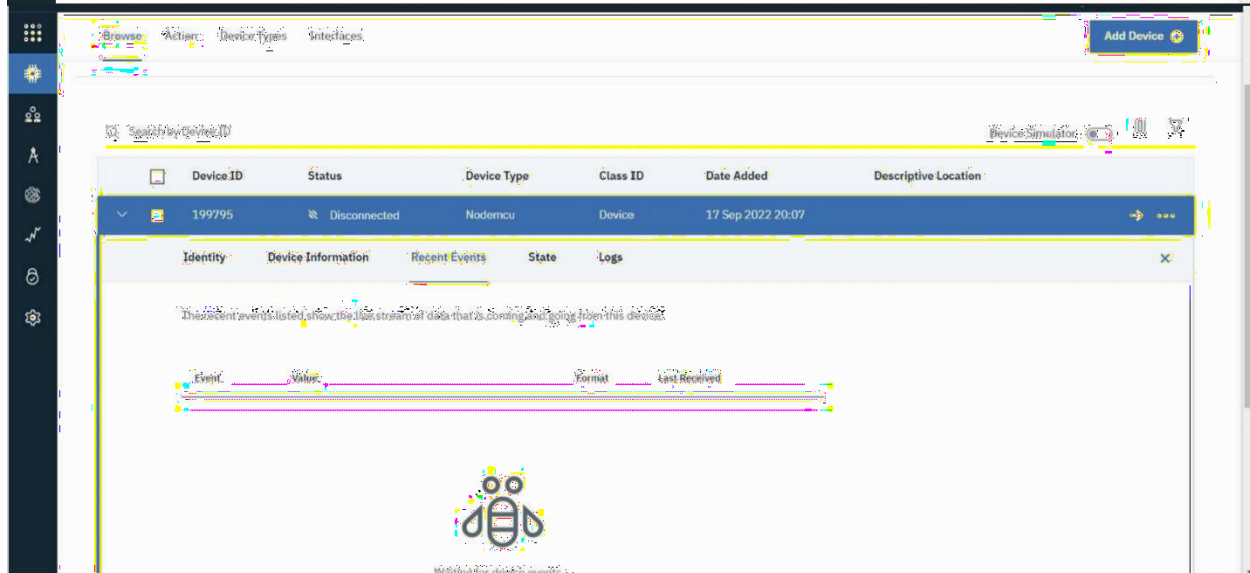
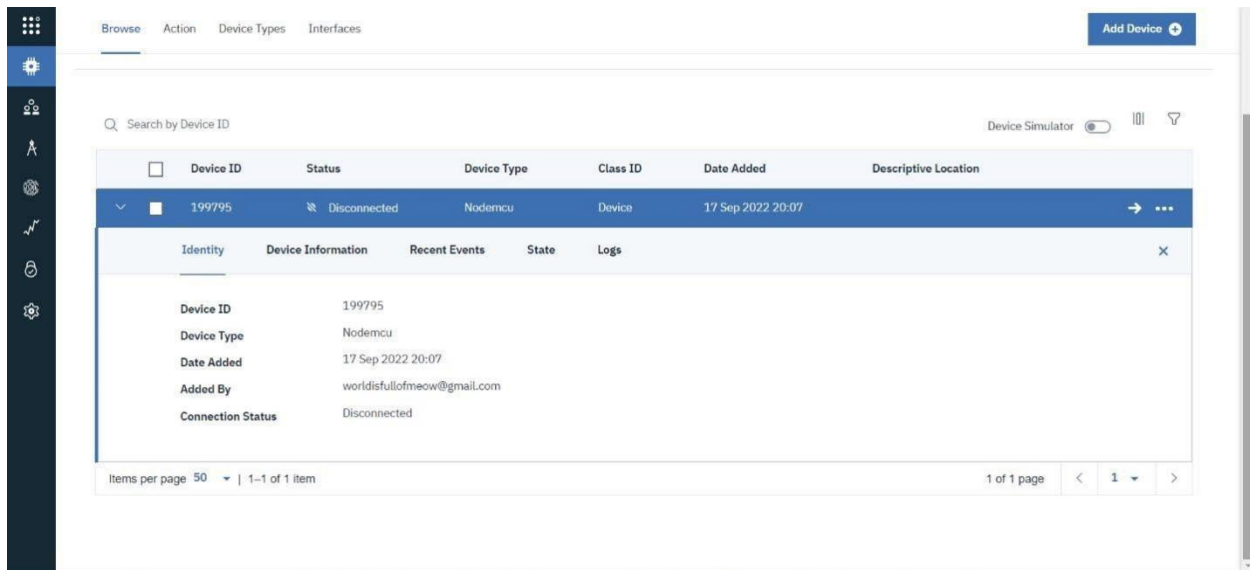
21. The device credentials will be displayed with all the details



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

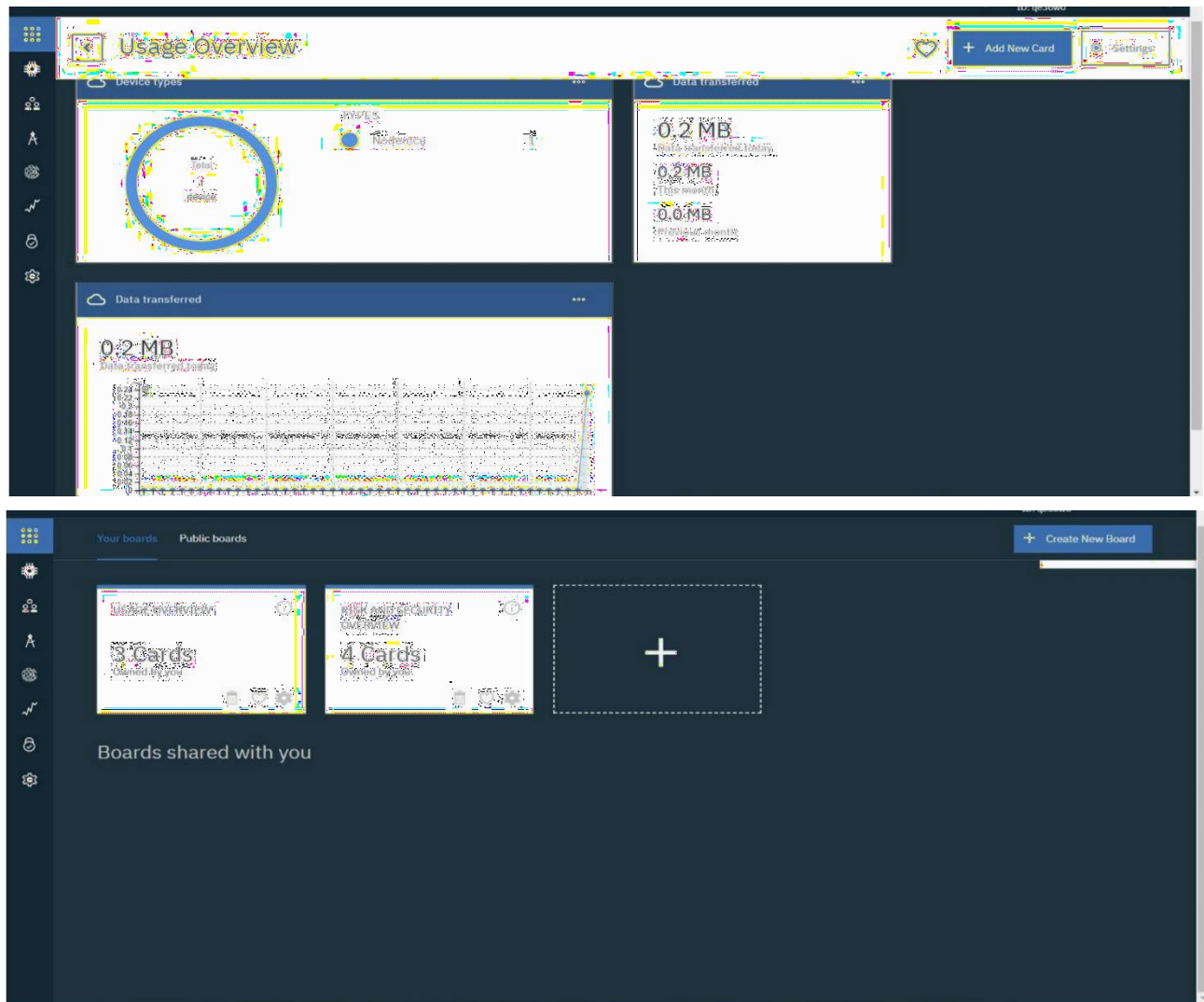


23. Clicking on the device tab we can now see the added device. Clicking on it will display the other details.



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

24. The Boards will display card for the project.



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

RESULT:

An IBM Watson cloud for IoT and a device is created.