

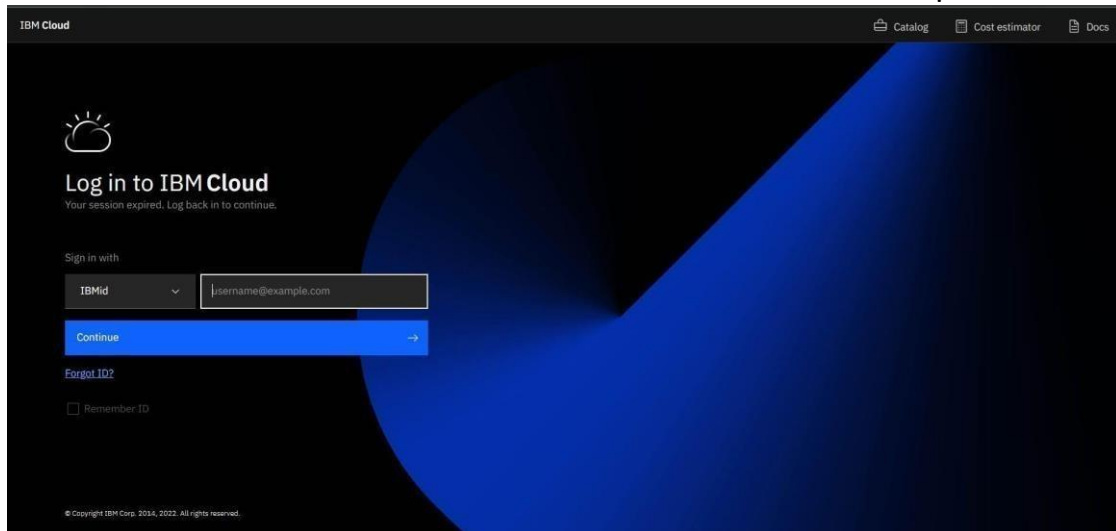
CREATE IBM WATSON IOT PLATFORM AND DEVICE

Project name	lot Based Smart Crop Protection System for Agriculture
Team ID	PNT2022TMID02250

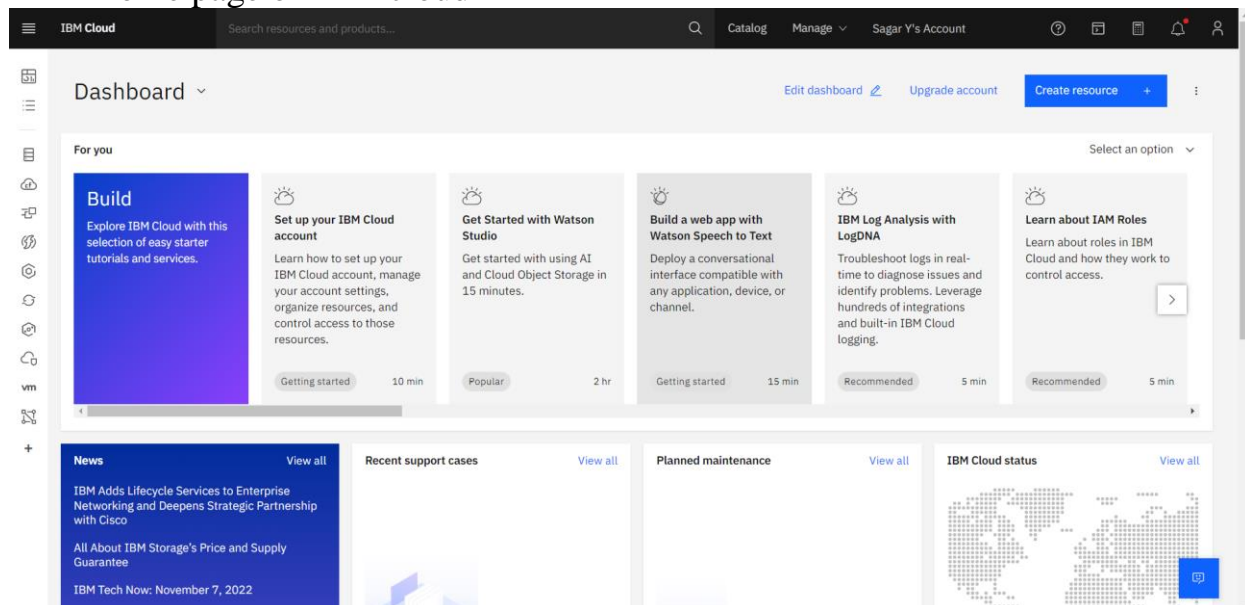
To create the IBM Watson IOT platform and device

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

The screenshot shows the IBM Cloud Catalog interface. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and links for 'Catalog', 'Manage', and 'Sagar Y's Account'. Below the navigation bar, the main header area displays 'Catalog' and a search bar with 'internet of things' entered. The search results are categorized under 'Search results for 'internet of things'' and show 'Viewing 17 products'. On the left, there's a 'Category' sidebar with options like 'Recommended products (2)', 'Compute (3)', 'Containers (1)', 'Networking (1)', 'Storage (1)', 'AI / Machine Learning (1)', 'Analytics (1)', 'Databases (2)', 'Developer tools (1)', and 'Integration (2)'. The main content area displays three product cards: 'Internet of Things Platform' by IBM, 'Fortinet FortiGate Next-Generation Firewall - Single VM' by Fortinet Inc., and 'Fortinet FortiGate Next-Generation Firewall - A/P HA' by Fortinet Inc. Each card includes a description and a list of supported features like 'Lite', 'Free', 'IAM-enabled', and 'IBM supported'.

4. Click on IoT in the category mentioned

The screenshot shows the 'Internet of Things Platform' page in the IBM Cloud Catalog. The 'Create' tab is selected, and the 'About' tab is also visible. The page displays the service description: '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.' Below the description, there's a 'Select a location' dropdown menu with 'Frankfurt (eu-de)' selected. A 'Select a pricing plan' section shows a table with columns 'Plan', 'Features', and 'Pricing'. The 'Lite' plan is selected, which includes up to 500 registered devices and a maximum of 200 MB of each data metric. The pricing is 'Free'. On the right, there's a 'Summary' sidebar showing the service name 'Internet of Things Platform', location 'Frankfurt', plan 'Lite', and service name 'Internet of Things Platform-20'. At the bottom, there's a 'Create' button and an 'Add to estimate' button.

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

The screenshot shows the 'Internet of Things Platform' page in the IBM Cloud Catalog, specifically the 'Create' tab. A warning message is displayed: '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.' Below the warning, there's a 'Configure your resource' section with fields for 'Service name' (set to 'Internet of Things Platform-bb'), 'Select a resource group' (set to 'Default'), 'Tags' (with an example 'env:dev, version-1'), and 'Access management tags' (with an example 'access:dev, proj:version-1'). On the right, there's a 'Summary' sidebar showing the service name 'Internet of Things Platform', location 'London', plan 'Lite', and service name 'Internet of Things Platform-bb'. At the bottom, there's a 'Create' button and an 'Add to estimate' button.

5. 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

IBM Cloud

Search resources and products...

Catalog Manage Sagar Y's Account

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 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 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.

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

Create

Add to estimate

IBM Cloud

Search resources and products...

Catalog Manage Sagar Y's Account

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.

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Related links Docs Terms

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 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-20

Select a resource group

Default

Tags

Examples: env:dev, version-1

Access management tags

Examples: access:dev, proj:version-1

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

Create

Add to estimate

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

Resource list /

Internet of Things Platform-20

Active

Add tags

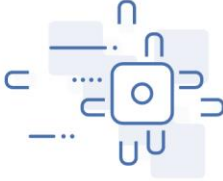
Details

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
- 200 MB data-transfer limit

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
- Capacity limit based on device type

Production

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

- Includes IBM Service & Support
- Pricing based on number of devices per

8. 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

The screenshot shows the IBM Cloud IoT Platform 'Manage' tab for a resource named 'Internet of Things Platform-20'. The interface includes a sidebar with 'Manage', 'Plan', and 'Connections' options. The main content area displays the 'Current plan' as 'Lite' with a list of features: up to 500 registered devices, 200 MB of data metric, 500 application bindings, and 200 MB of data analyzed. A 'Current usage' section shows 'N/A'. Below this is a 'Change pricing plan' section with a table showing the 'Lite' plan as 'Free'. A 'Next Steps' section is at the bottom with a 'Launch' button.

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

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

The screenshot shows the IBM Watson IoT Platform 'Assets' page. The header includes 'IBM Watson IoT Platform' and a 'Sign in' button. The main content area features a large 'Assets' title and a diagram illustrating the process of 'Collect data from' and 'make value from it'. A 'Learn More' link is visible at the bottom. A 'Cookie Preferences' button is located in the bottom right corner.

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

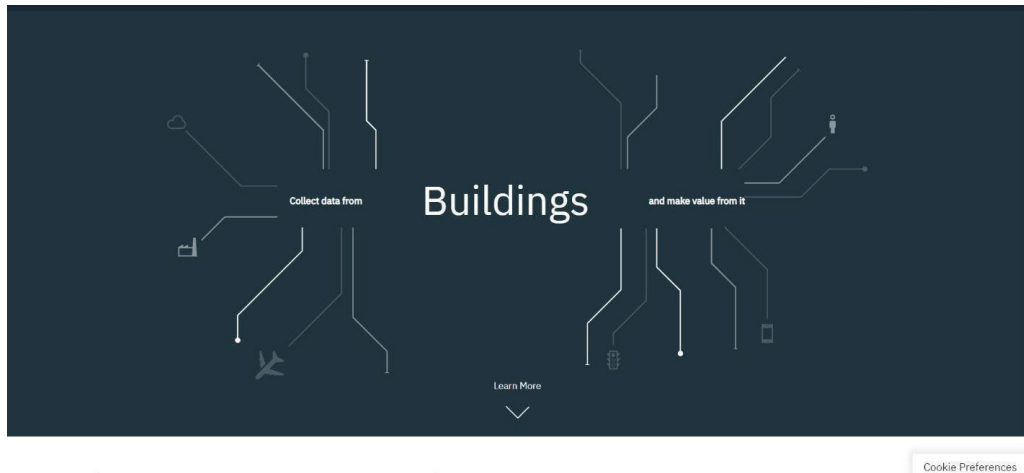
Log in to IBM

IBMId

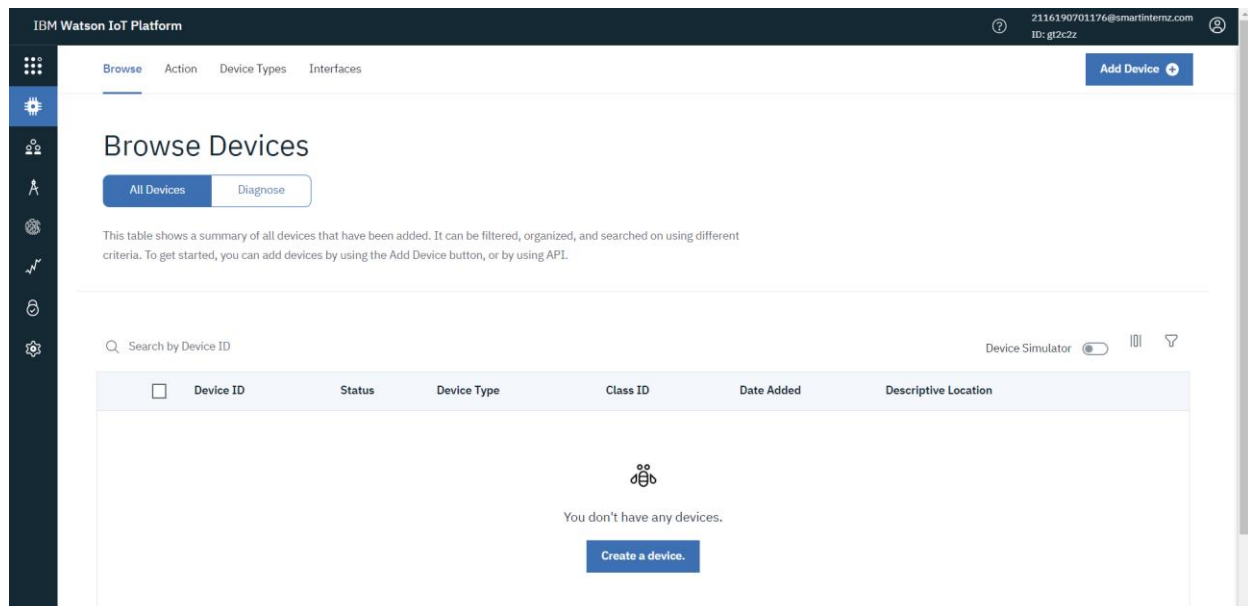
[Forgot IBMId?](#)☒ Remember me ⓘ[Continue](#) →Don't have an account? [Create an IBMId](#)Need help? [Contact the IBMId help desk](#)

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

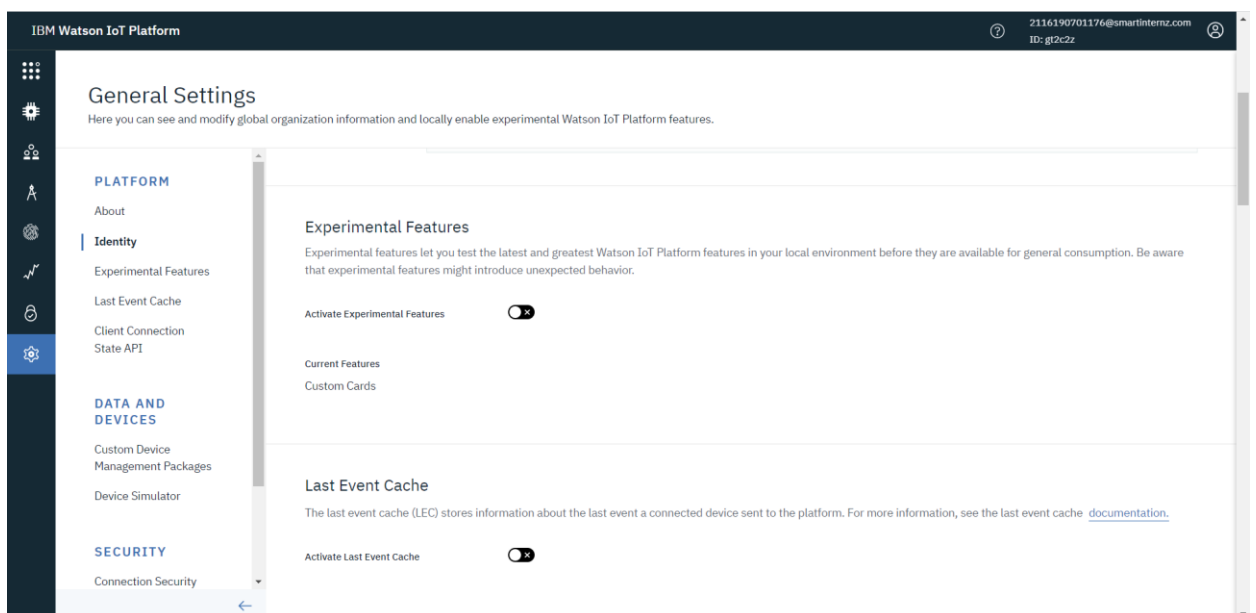
page



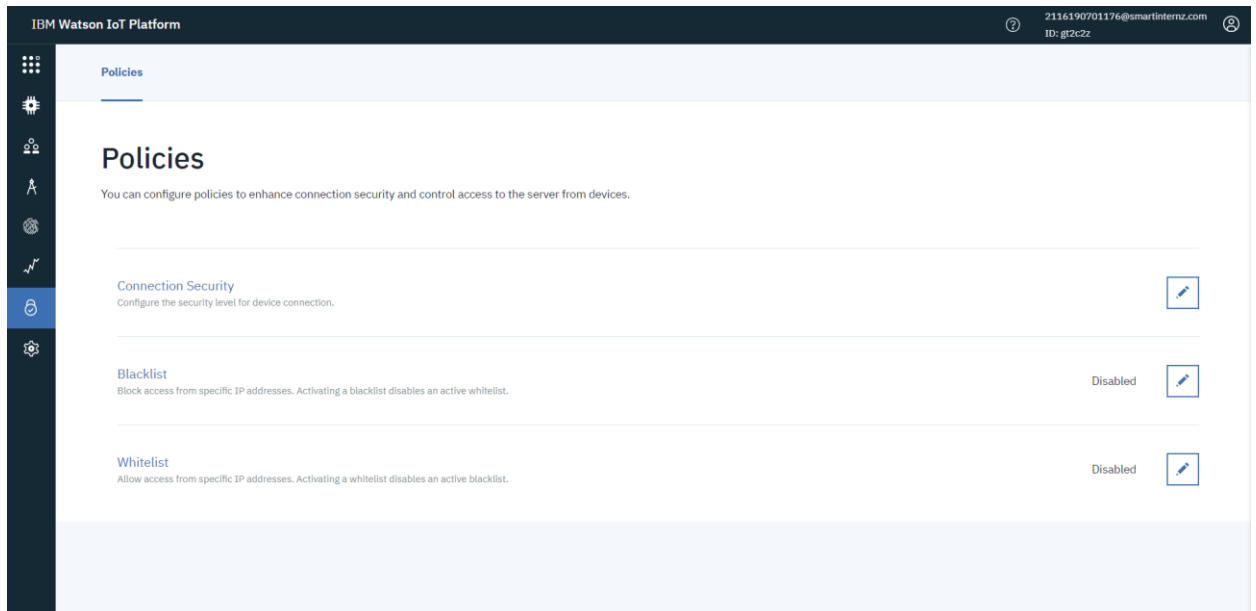
12. And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display of details of the devices.



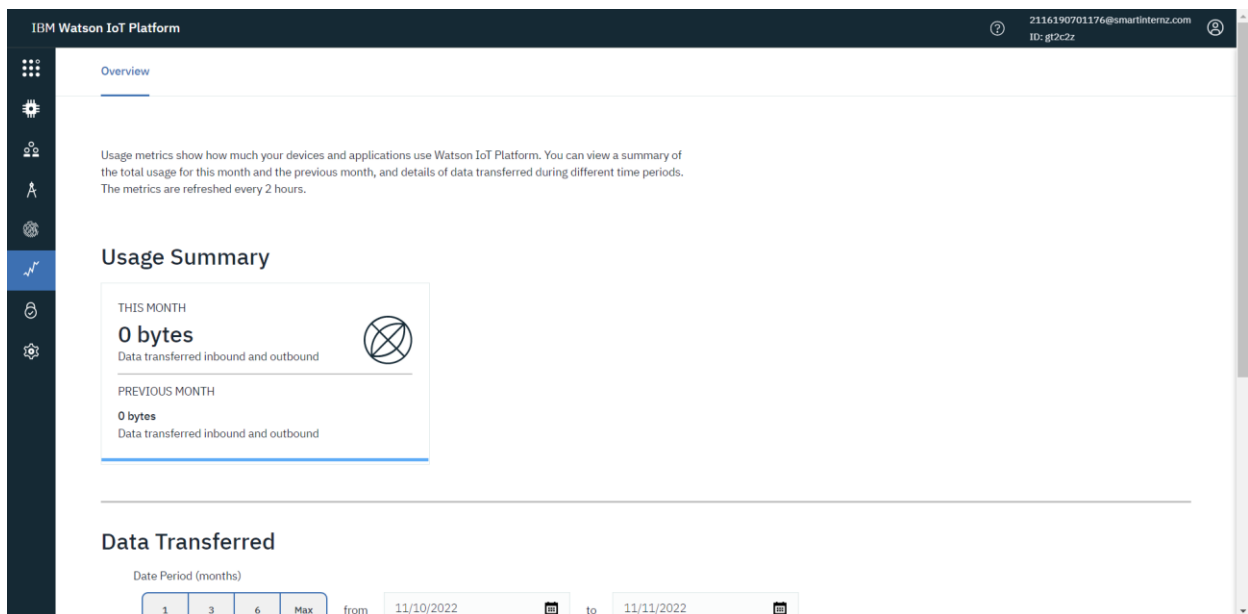
13. The setting tab is used to change the general setting if needed for the project.



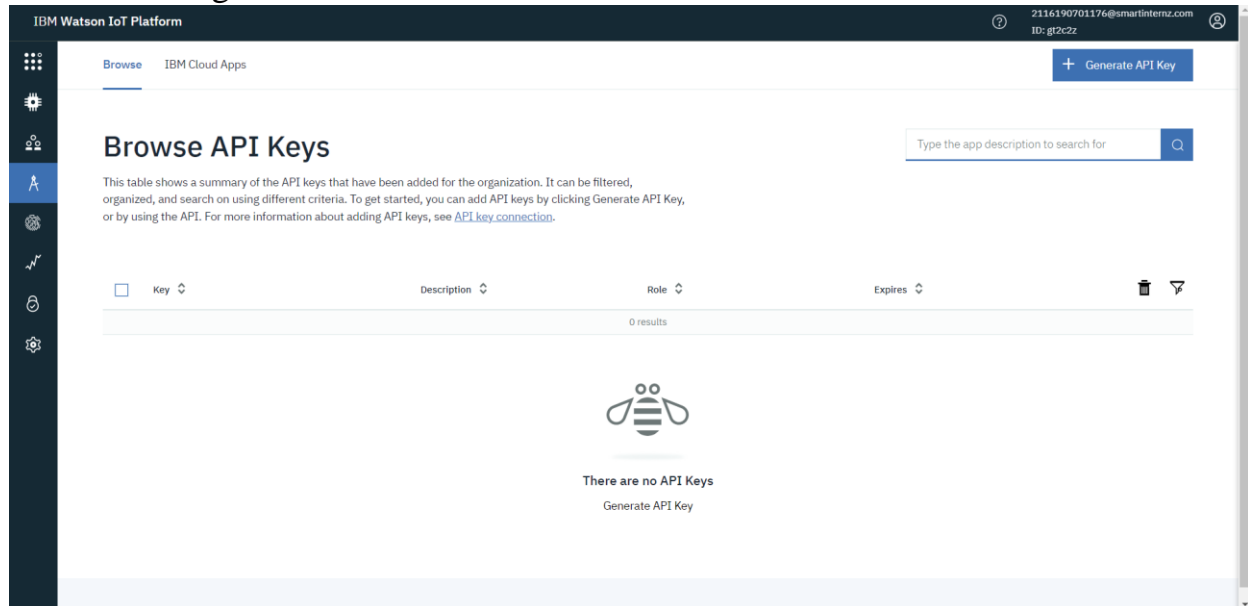
14. In the security tab we can choose the type of security connection and can change according to specification



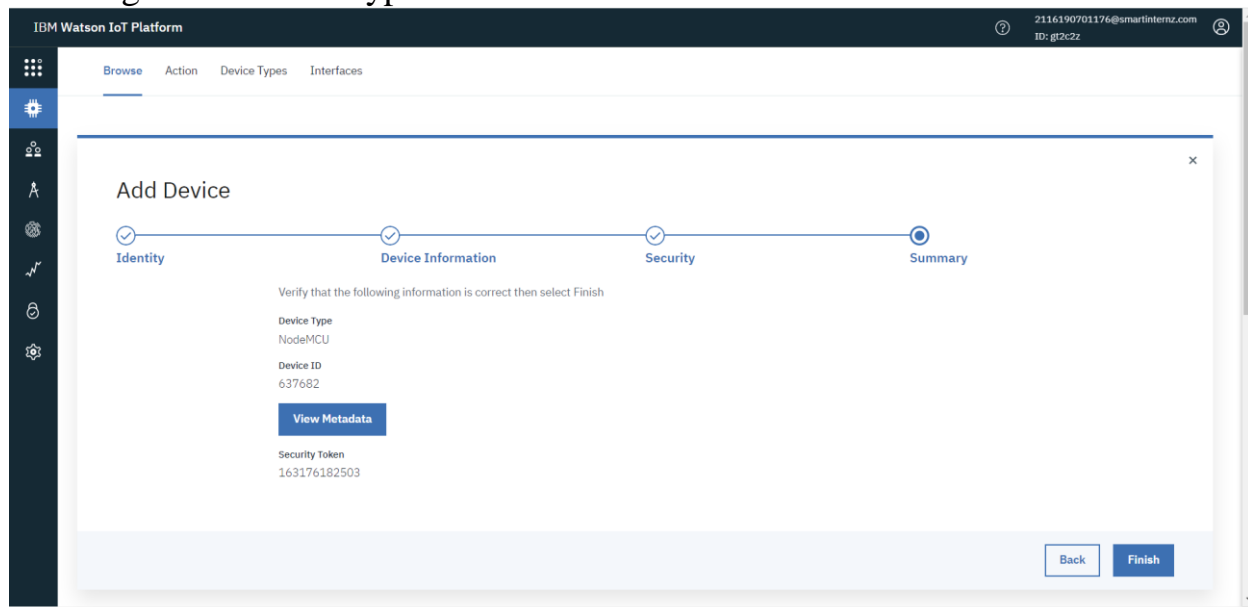
14. Usage gives the summary of how many bytes are used between the devices and the IBM cloud



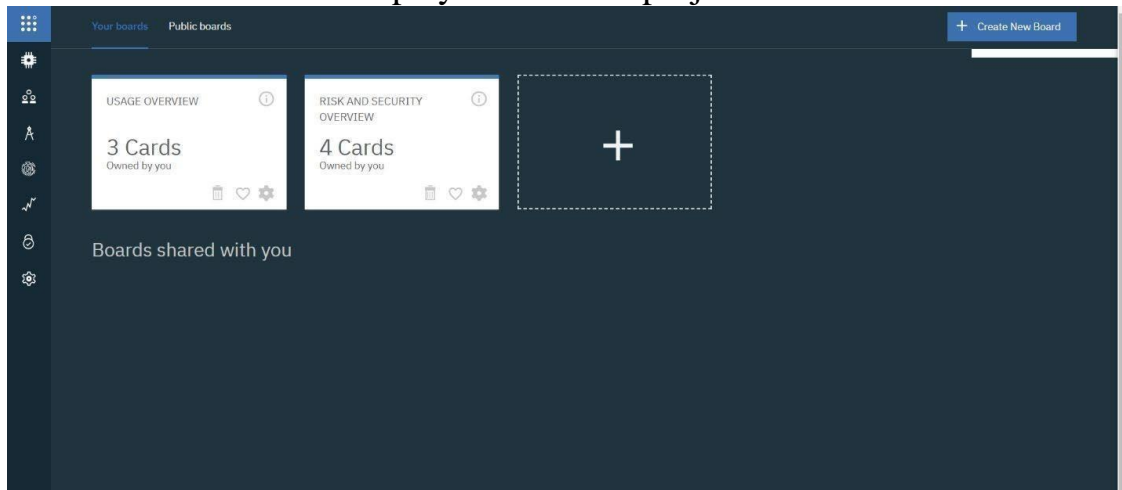
15. This tab is used when you want to connect to some other platform and to integrate with other services.



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



17. The Boards will display card for the project.



CONCLUSION:

An IBM Watson cloud for IoT and a device is created