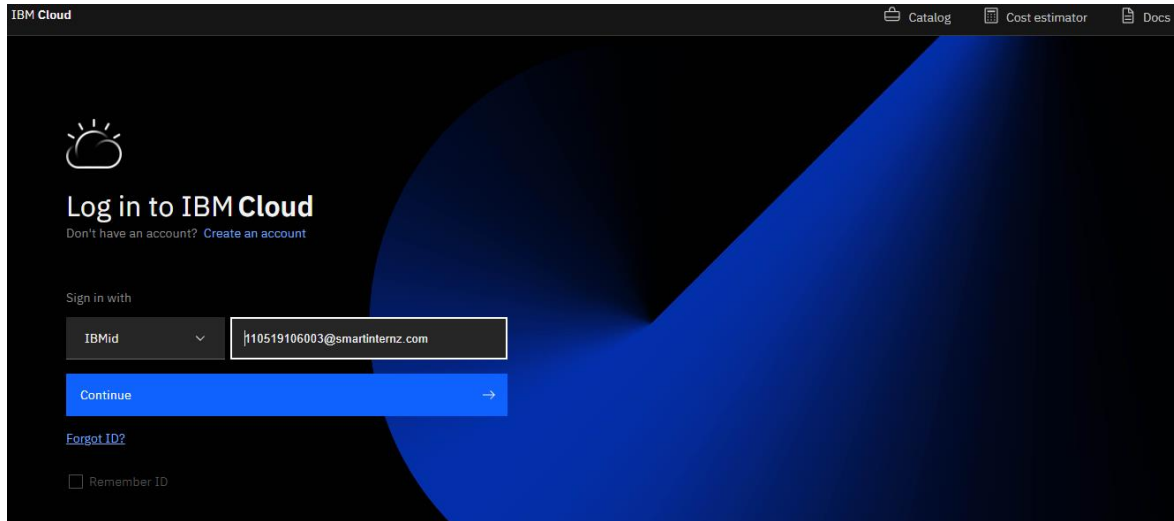


CREATE IBM WATSON IOT PLATFORM AND DEVICE

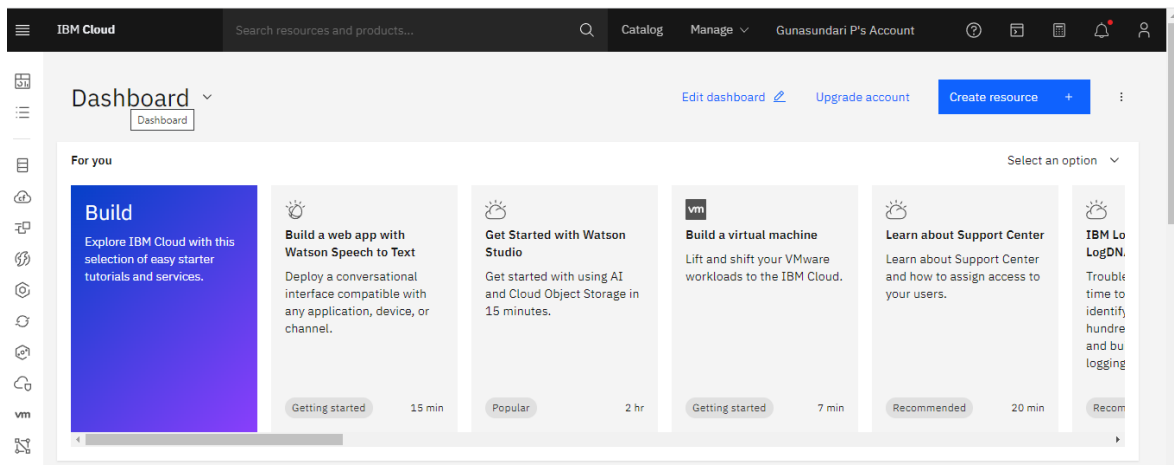
Date	2 November 2022
Team ID	PNT2022TMID36188
Project Name	Smart Crop Protection For Agriculture

STEPS:

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



2. Home page of IBM cloud



3. Click on IT in the category mentioned

The screenshot shows the 'Create' page for the 'Internet of Things Platform' in the IBM Cloud catalog. The page is divided into a main content area and a right-hand 'Summary' sidebar.

Main Content Area:

- Header:** 'Internet of Things Platform' with a 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.'
- Tabs:** 'Create' (active) and 'About'.
- Form:** 'Select a location' dropdown menu with 'Frankfurt (eu-de)' selected. Below it, 'Select a pricing plan' section with a table of plans.
- Table:**

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	Free

Summary Sidebar:

- Internet of Things Platform** (Free)
- Location: Frankfurt
- Plan: Lite
- Service name: Internet of Things Platform-zf
- Resource group: Default
- Agreement checkbox: ☐ I have read and agree to the following license agreements: [Terms](#)
- Buttons: 'Create' and 'Add to estimate'

4. Internet of Things Platform where the reared different options like manage ,plan ,and connection

The screenshot shows the 'Manage' page for the 'Internet of Things Platform-zf' in the IBM Cloud console. The page is divided into a left-hand 'Manage' sidebar and a main content area.

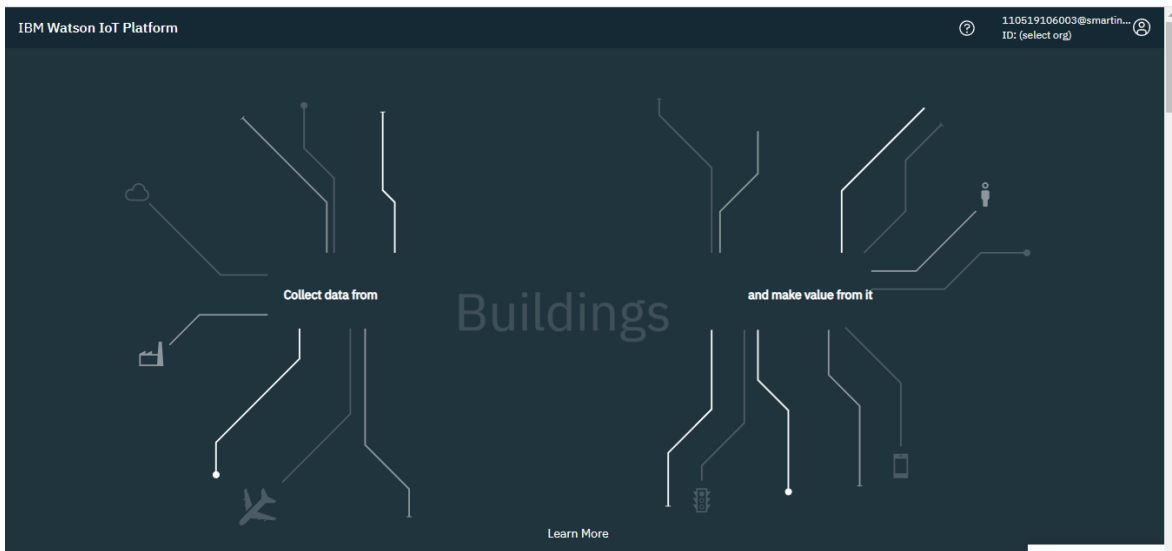
Manage Sidebar:

- Manage** (active)
- Plan
- Connections

Main Content Area:

- Header:** 'Internet of Things Platform-zf' with status 'Active' and 'Add tags' button. Buttons for 'Details' and 'Actions...' are on the right.
- Diagram:** A central icon representing a device connected to a cloud, with lines indicating data flow.
- Text:** 'Let's get started with IBM Watson IoT Platform' followed by a description: 'Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.'
- Buttons:** 'Launch' and 'Docs'.
- Ready for the next level?** Section with a progress bar showing three stages: 'Lite' (checked), 'Non-Production', and 'Production'.
- Descriptions:**
 - Lite:** The Lite service plan provides a lightweight development environment to get you started.
 - Non-Production:** The Non-Production service plan is a full-featured, fully integrated offering that enables you to build and test your IoT applications.
 - Production:** The Production service is a fully managed SaaS offering that enables you to manage and operate your IoT applications.

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



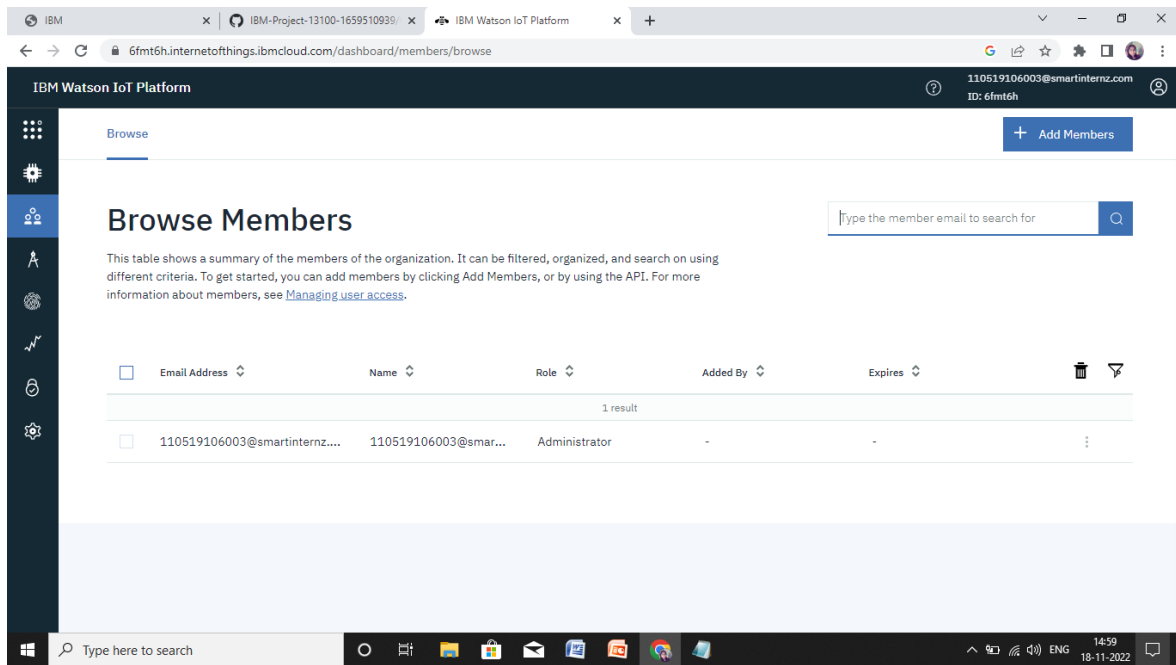
6. And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display of details of devices.

 The image shows the "Browse Devices" tab in the IBM Watson IoT Platform. The top navigation bar includes "Browse", "Action", "Device Types", and "Interfaces". There is an "Add Device" button with a plus icon. Below the navigation bar, the title "Browse Devices" is displayed, followed by "All Devices" and "Diagnose" buttons. A descriptive text states: "This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API." Below this is a search bar labeled "Search by Device ID" and a "Device Simulator" toggle switch. The main content is a table with the following data:

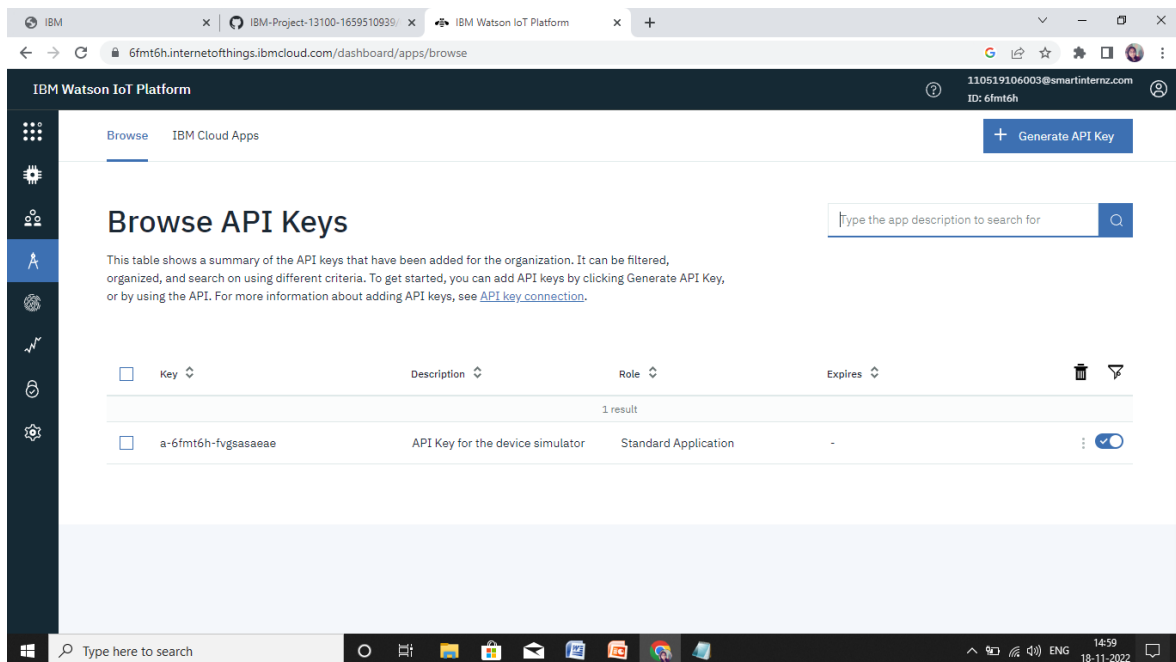
	Device ID	Status	Device Type	Class ID	Date Added	
>	6003	Disconnected	Gunasundari123	Device	Nov 7, 2022 3:18 PM	→ ...
>	6003	Disconnected	gunasundari124	Device	Nov 8, 2022 12:55 PM	

 At the bottom, there is a pagination bar showing "Items per page 50" and "1 of 1 page".

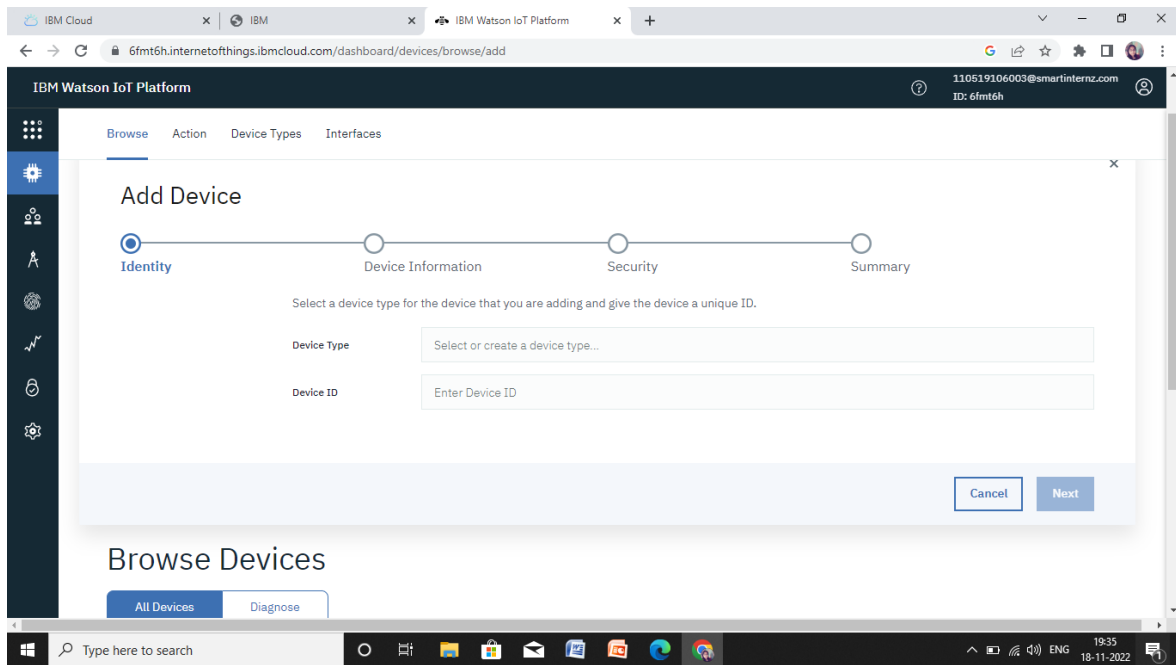
7. The member tab add the teams members to work in the platform



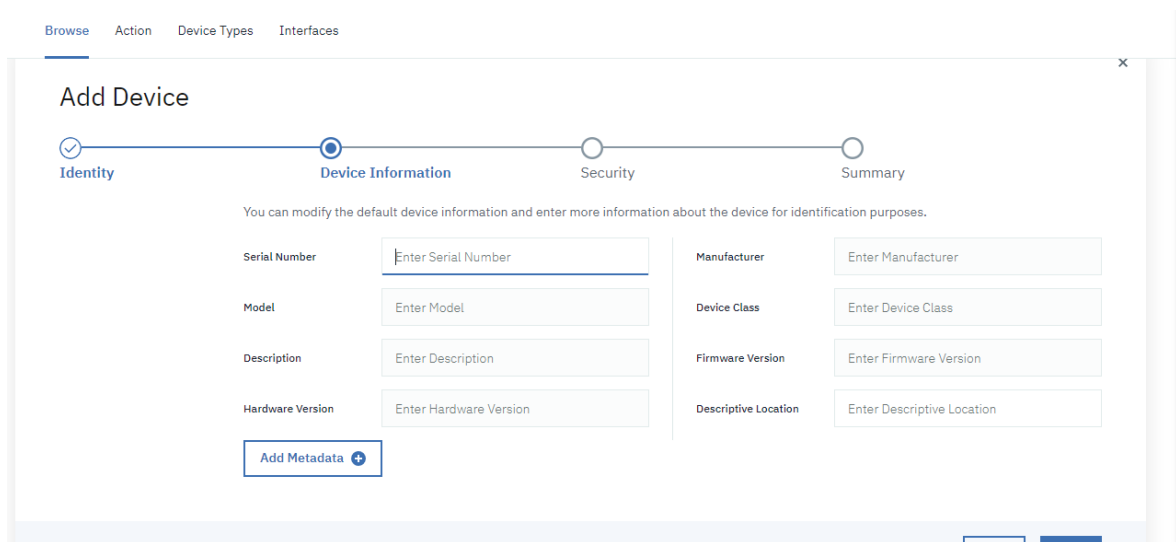
8.This tab is used when you want to connect to some other platform and to integrate with other services



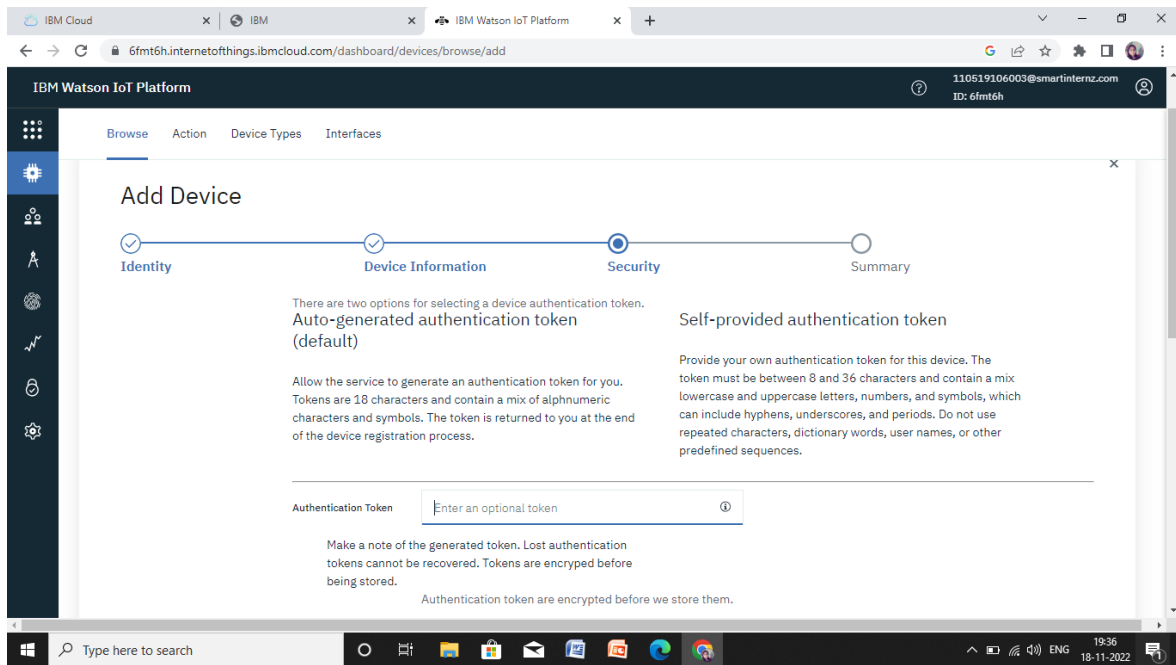
9.Click on the device tab and click on the add device button,
Then gives the device type and device id and click next



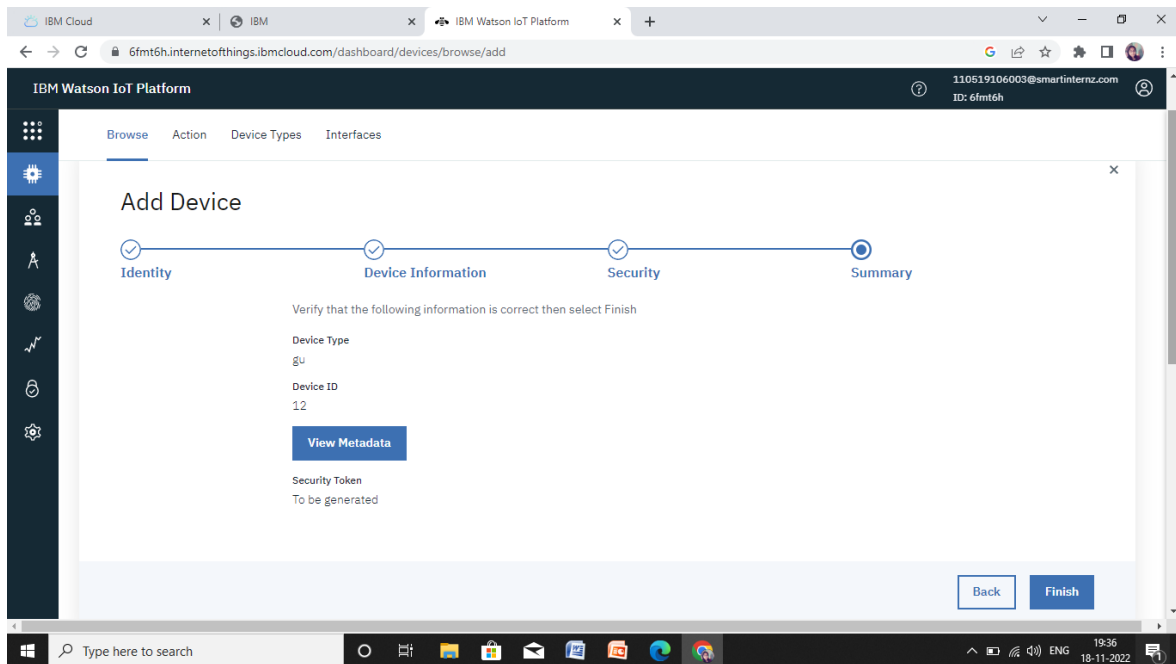
10. This page to enter extra details and of the hardware



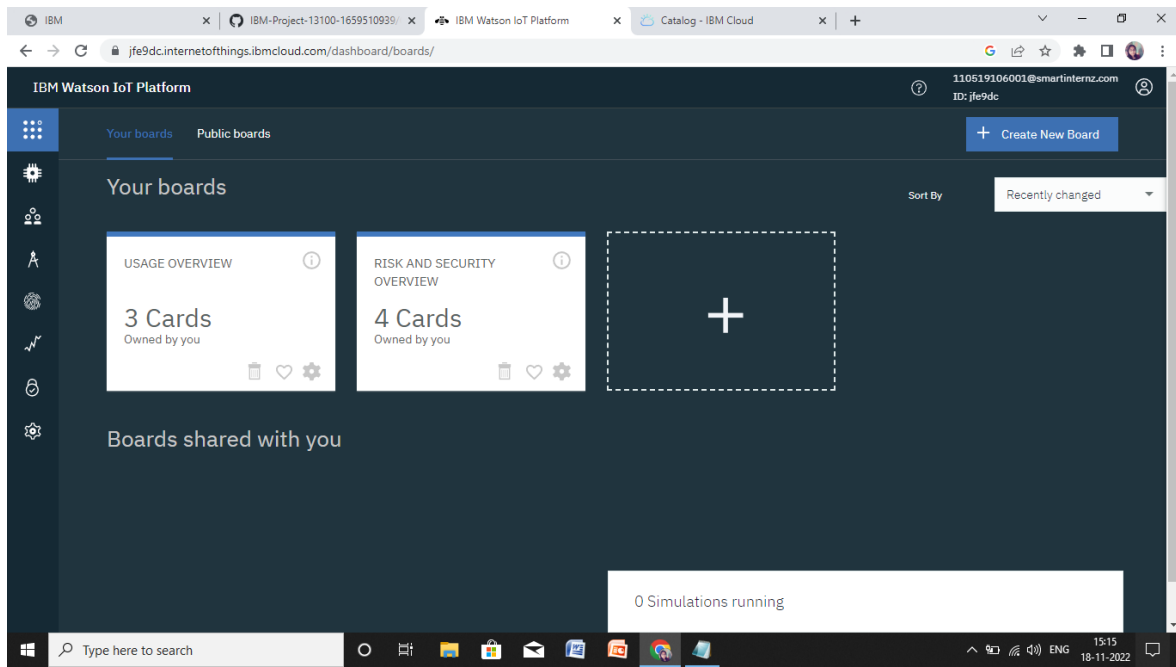
11. Clicking next it goes to the security where we do authentication to kind.



12..Clicking on next it goes to the summary of the device then clickfinish



13. The Boards will display card for the project.



CONCLUSION:

An IBM Watson cloud for IoT and a device is created

