

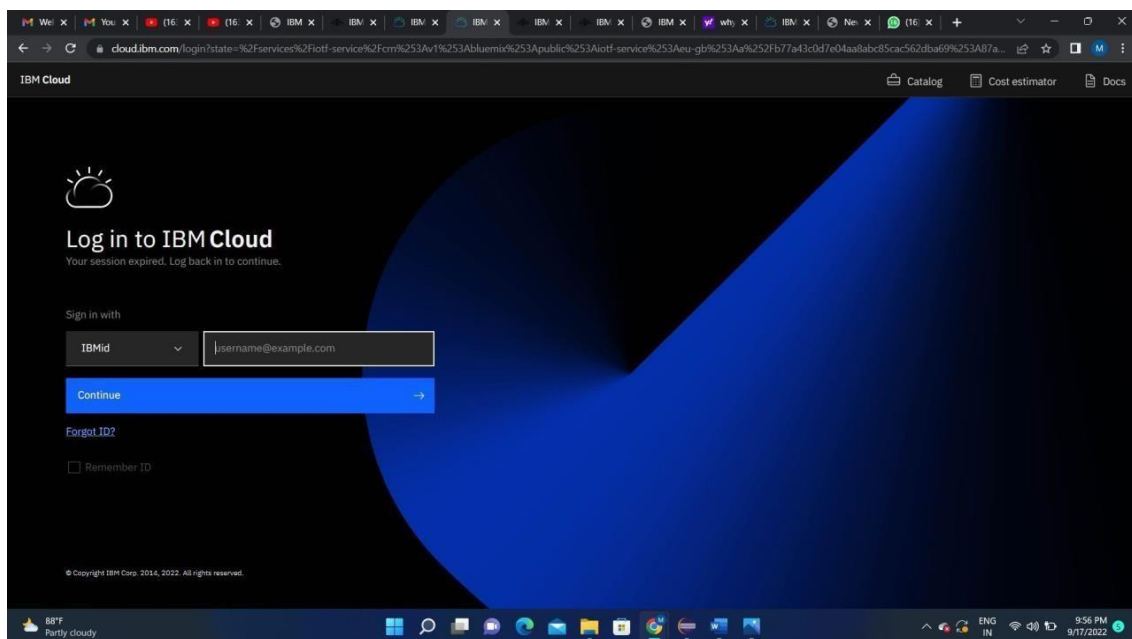
CREATE IBM WATSON IOT PLATFORM AND DEVICE

AIM:

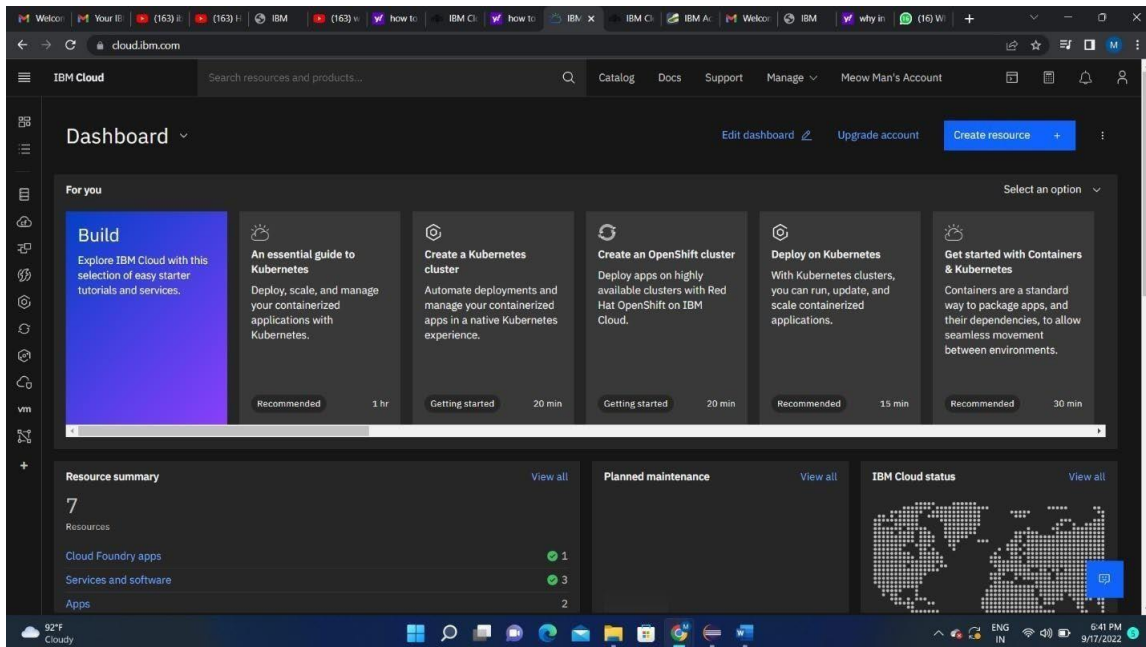
To create the IBM Watson IoT platform and device.

STEPS:

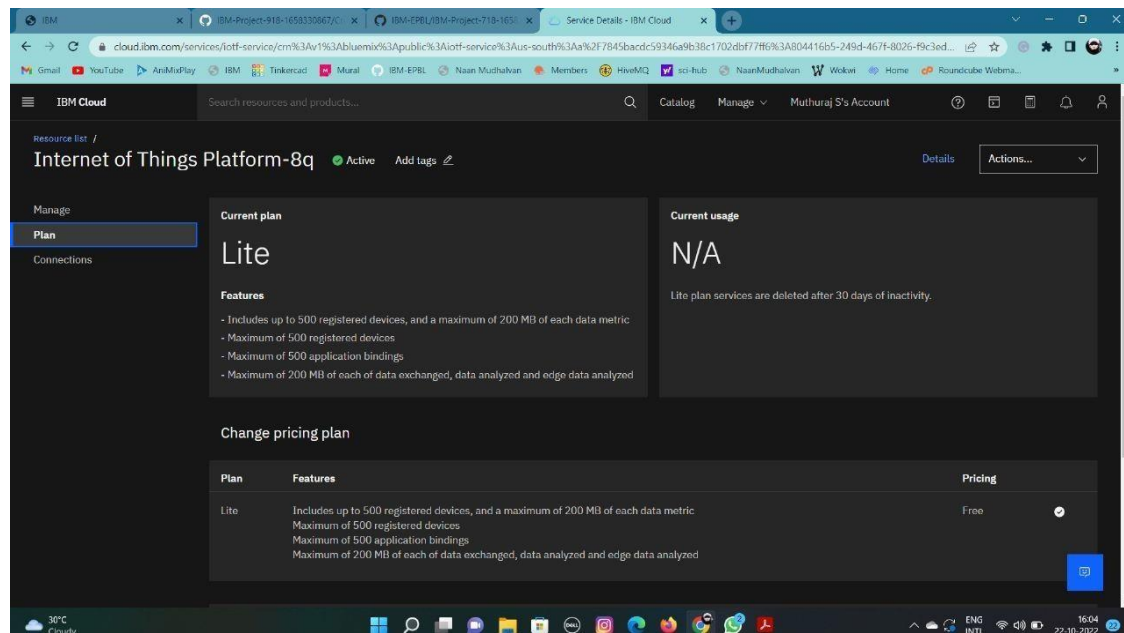
1. Firstly create an IBM cloud account with IBMid and a password.



2. Home page of IBM cloud.

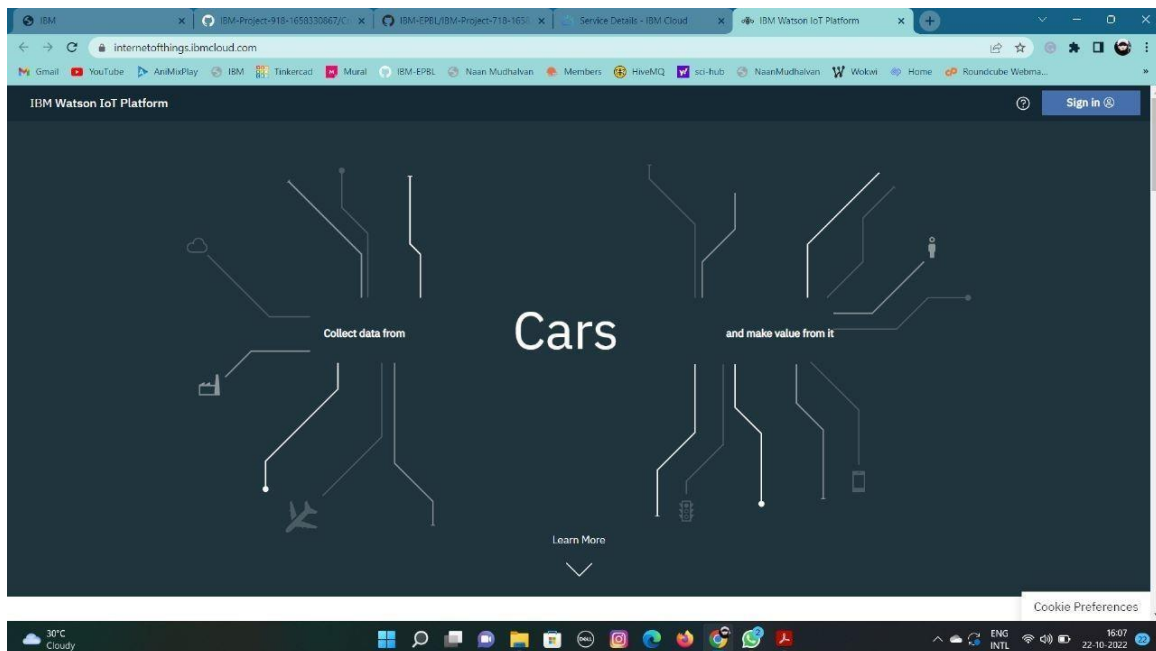


3. Internet of Things Platform Child_safety will be created, where there are different options like manage, plan, and connection.

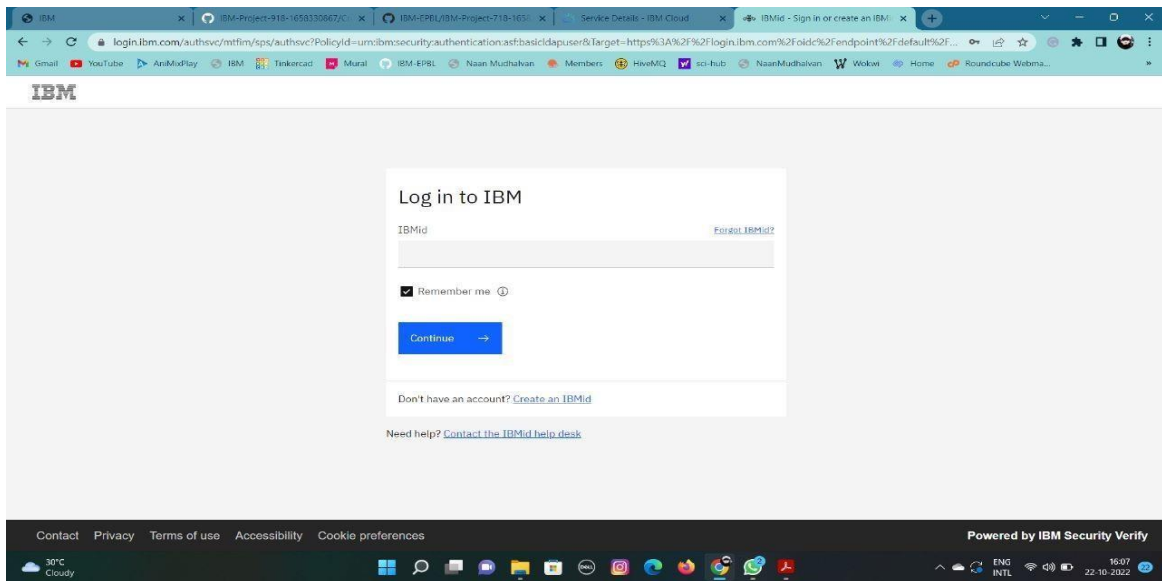


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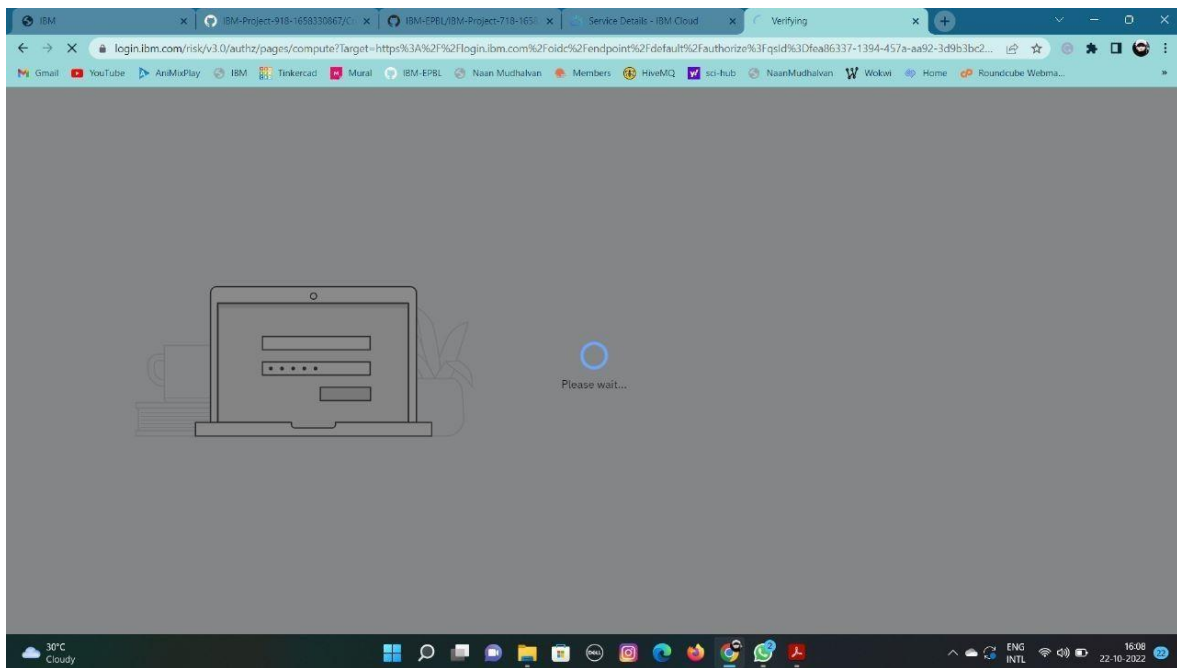
- Clicking on the launch button in the manage tab, it will open to this.



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



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

IBM Watson IoT Platform

internetofthings.ibmcloud.com

310810104301@martin...
ID: (select org)



The graphic features a dark blue background with white circuit-like lines. In the center, the word "Buildings" is written in a large, white, sans-serif font. To the left of "Buildings", the text "Collect data from" is positioned above a small icon of a factory. To the right of "Buildings", the text "and make value from it" is positioned above a small icon of a person. Below the central text, there is a "Learn More" link with a downward-pointing arrow.

Collect data from

Buildings

and make value from it

[Learn More](#)

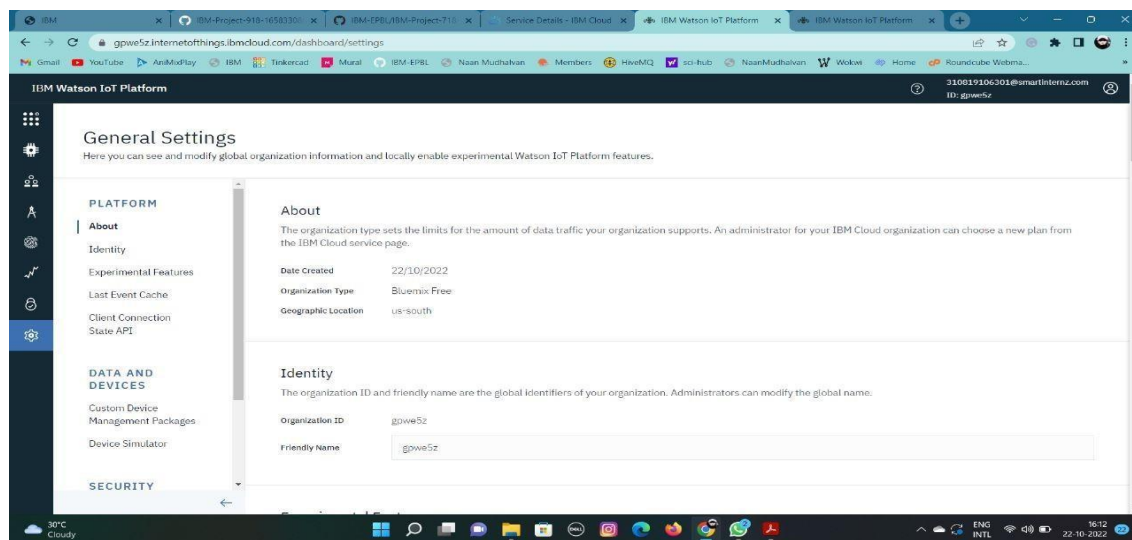
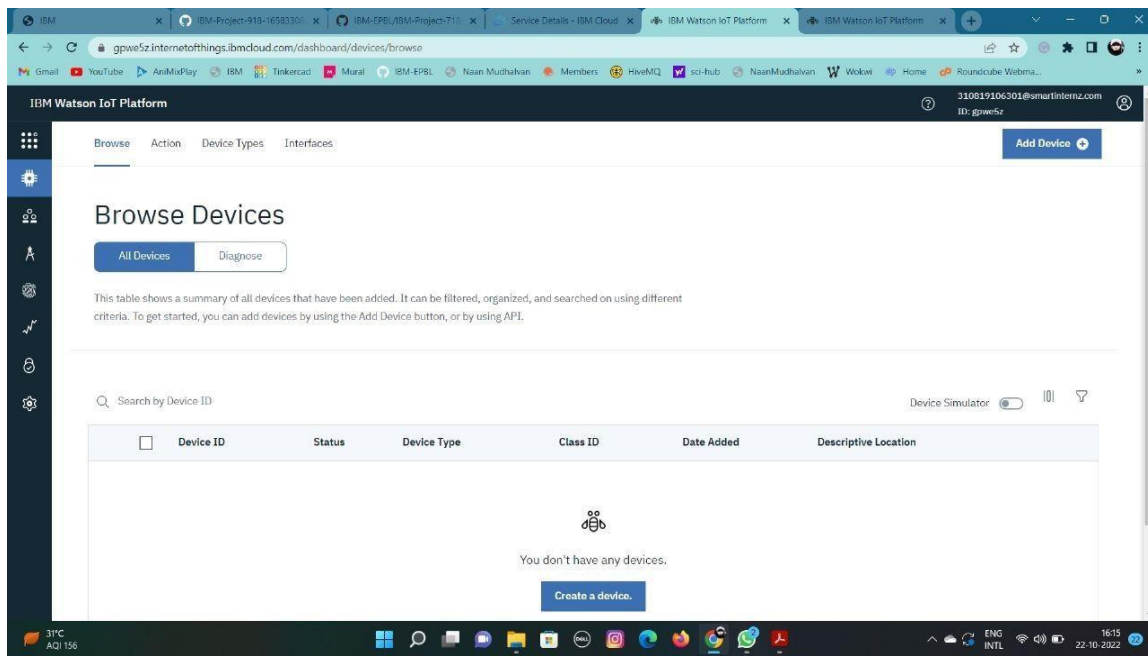
30°C Cloudy

ENG INTL

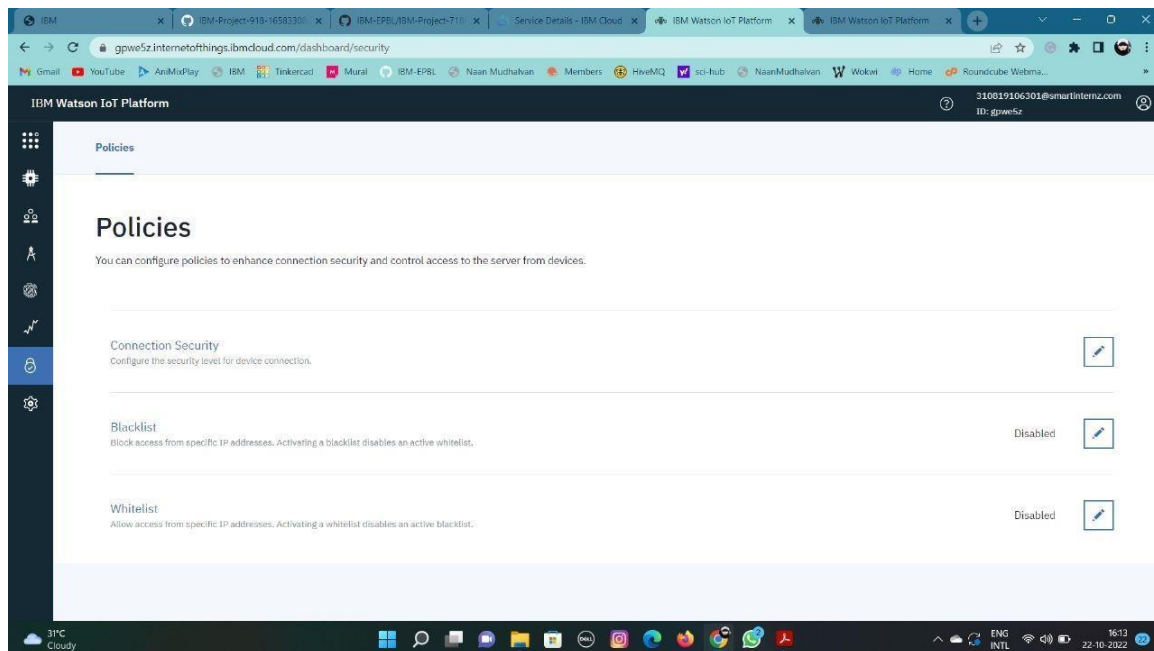
16:08 22-10-2022

Cookie Preferences

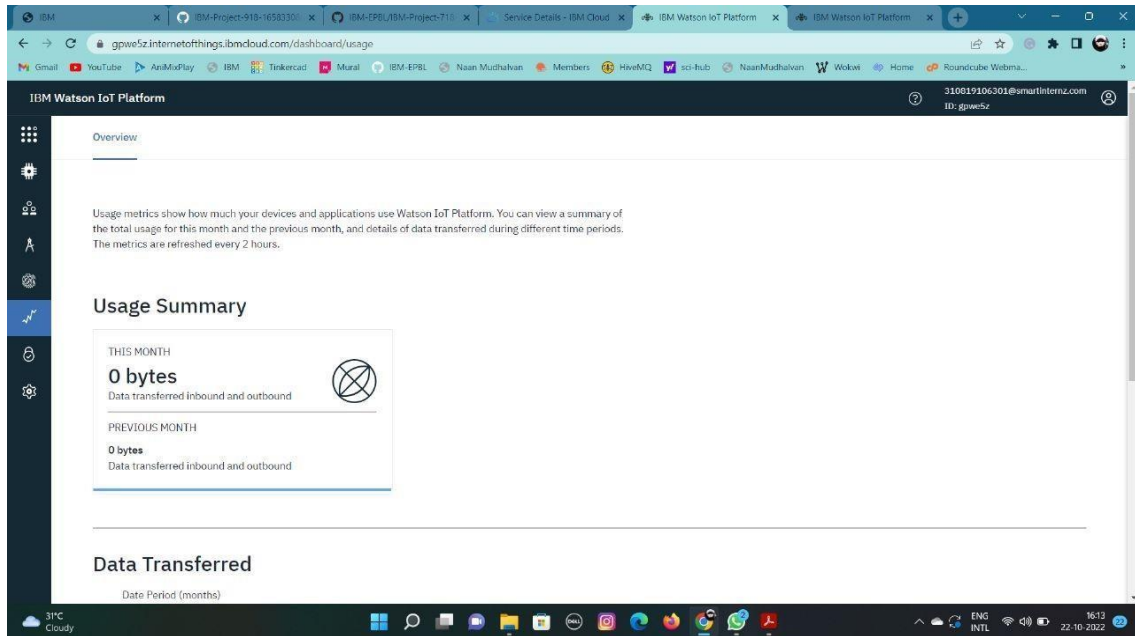
- And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display of details of the devices.



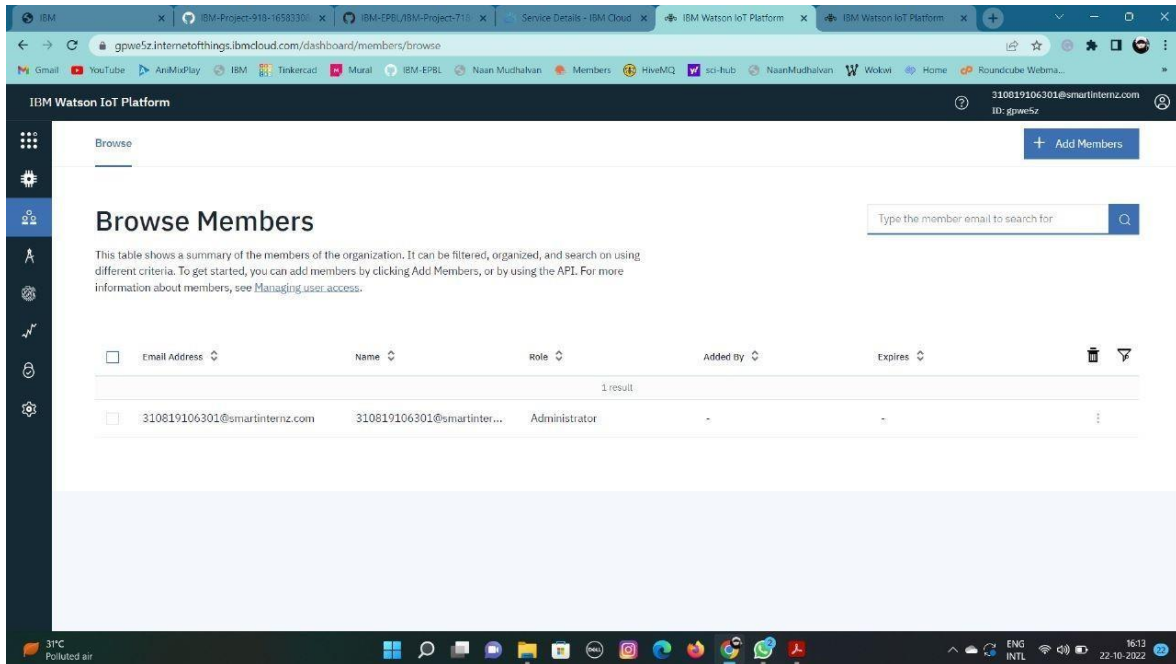
8. The setting tab is used to change the general setting if needed for the project.
9. the security tab we can choose the type of security connection and can change according to specification.



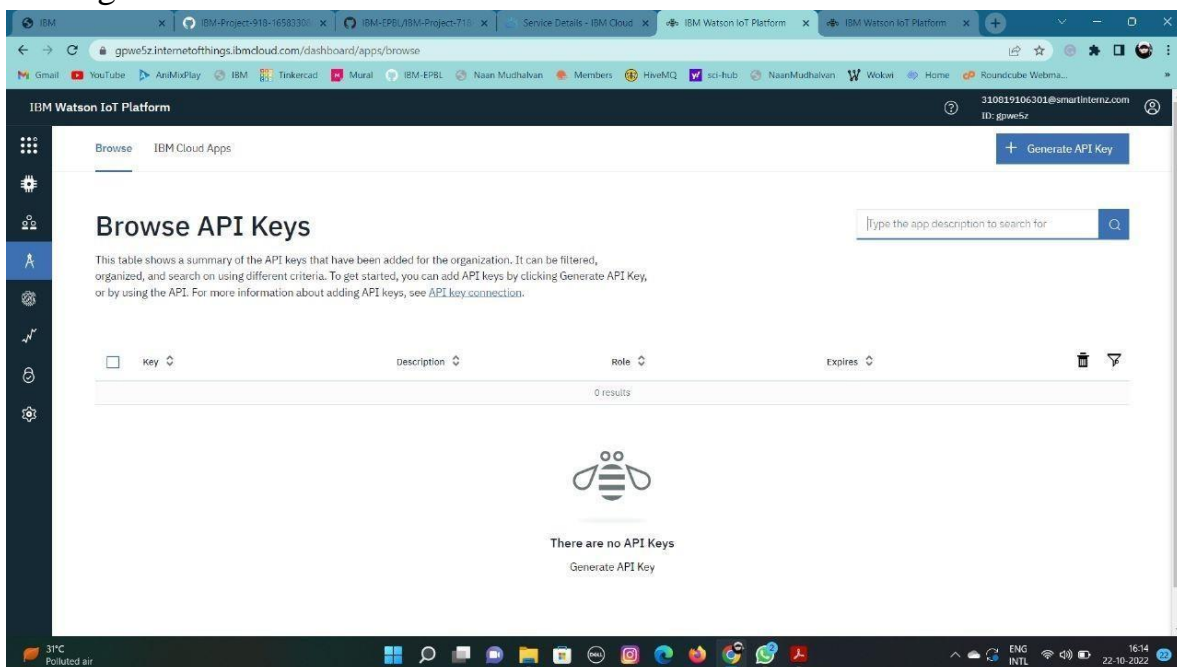
10. Usage gives the summary of how many bytes are used between the devices and the IBM cloud.



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



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



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

IBM Watson IoT Platform

Browse Devices

All Devices Diagnose

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.

Search by Device ID

Device Simulator

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	399795	Disconnected	Nodemcu	Device	22 Oct 2022 16:19	

Items per page: 50 | 1-1 of 1 item

1 of 1 page

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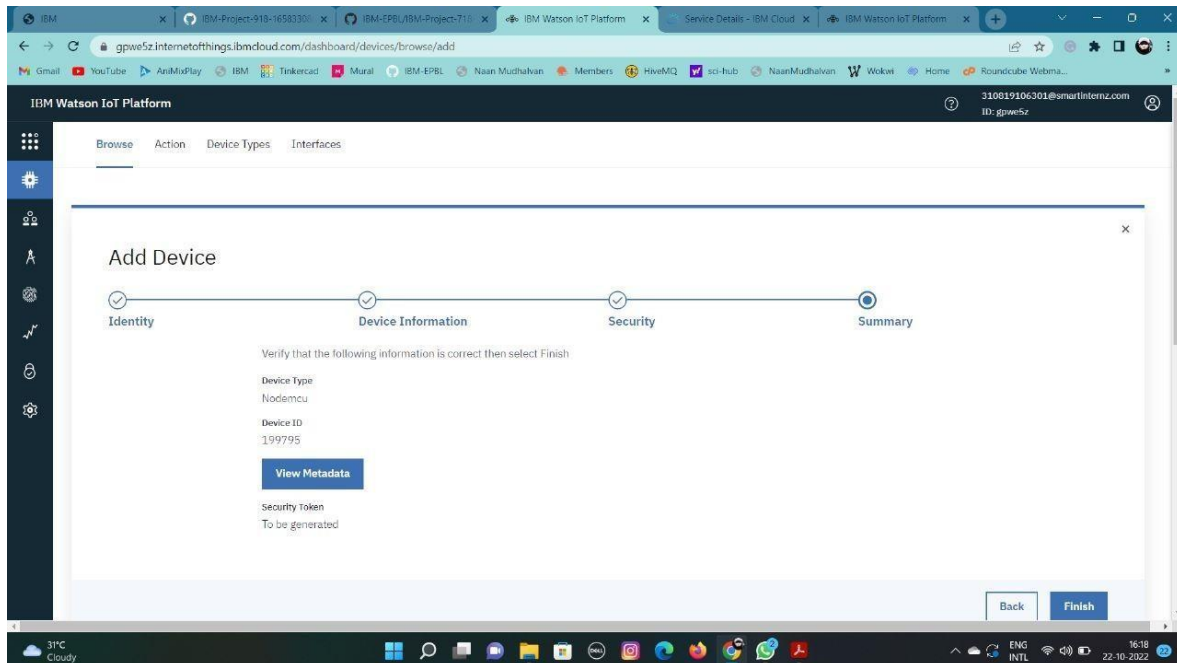
The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The wizard has four steps: Identity, Device Information, Security, and Summary. The 'Identity' step is currently active, indicated by a blue circle and a checkmark. Below the step indicator, there is a text prompt: 'Select a device type for the device that you are adding and give the device a unique ID.' There are two input fields: 'Device Type' with the value 'Nodemcu' and 'Device ID' with the value '199795'. At the bottom right of the wizard, there are 'Cancel' and 'Next' buttons. Below the wizard, the 'Browse Devices' section is visible with 'All Devices' and 'Diagnose' buttons. The browser's address bar shows the URL 'gpwe5z.internetofthings.ibmcloud.com/dashboard/devices/browse/add'. The taskbar at the bottom shows the system clock as 16:16 on 22-10-2022.

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

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform, now at the 'Device Information' step. The 'Identity' step is completed, indicated by a checkmark. The 'Device Information' step is active, indicated by a blue circle. Below the step indicator, there is a text prompt: 'You can modify the default device information and enter more information about the device for identification purposes.' There are two columns of input fields. The left column contains: 'Serial Number' (placeholder: 'Enter Serial Number'), 'Model' (placeholder: 'Enter Model'), 'Description' (placeholder: 'Enter Description'), and 'Hardware Version' (placeholder: 'Enter Hardware Version'). The right column contains: 'Manufacturer' (placeholder: 'Enter Manufacturer'), 'Device Class' (placeholder: 'Enter Device Class'), 'Firmware Version' (placeholder: 'Enter Firmware Version'), and 'Descriptive Location' (placeholder: 'Enter Descriptive Location'). At the bottom left of the wizard, there is an 'Add Metadata' button with a plus icon. Below the wizard, the 'Browse Devices' section is visible with 'All Devices' and 'Diagnose' buttons. The browser's address bar shows the URL 'gpwe5z.internetofthings.ibmcloud.com/dashboard/devices/browse/add'. The taskbar at the bottom shows the system clock as 16:16 on 22-10-2022.

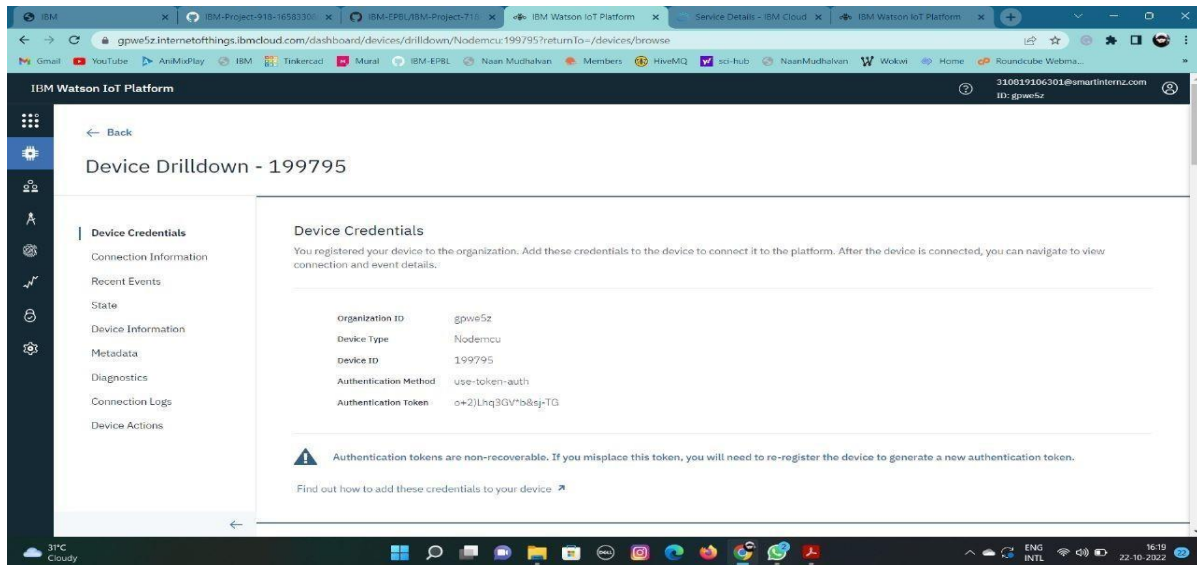
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15. Clicking on next it goes to the summary of the device then click finish.

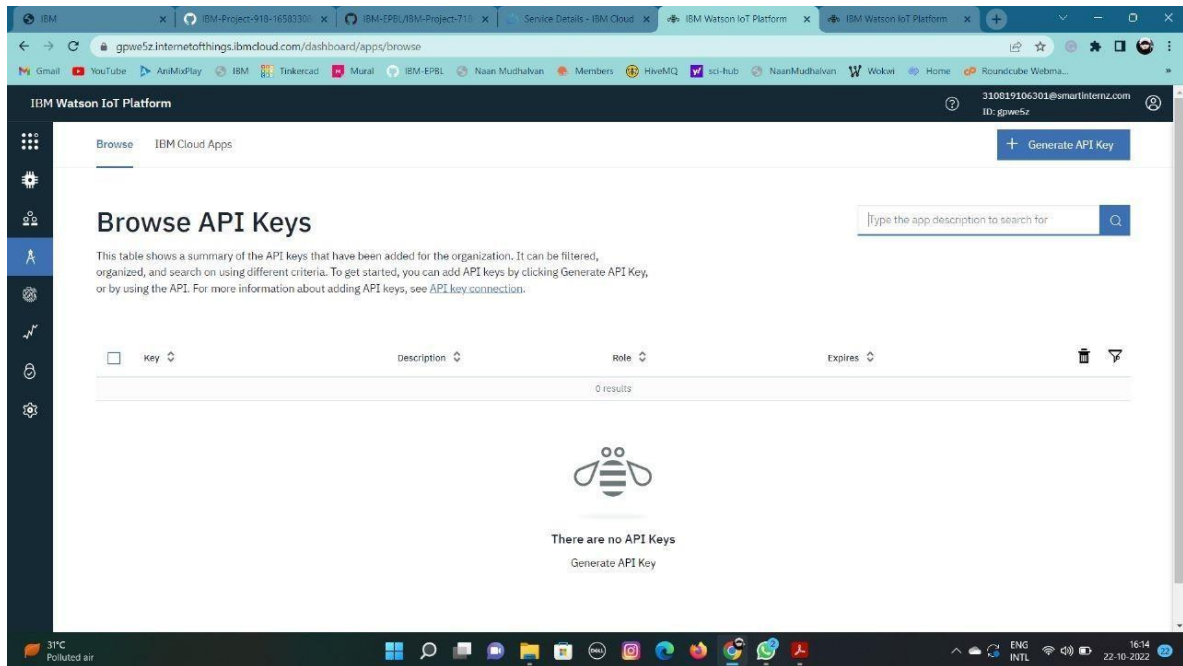


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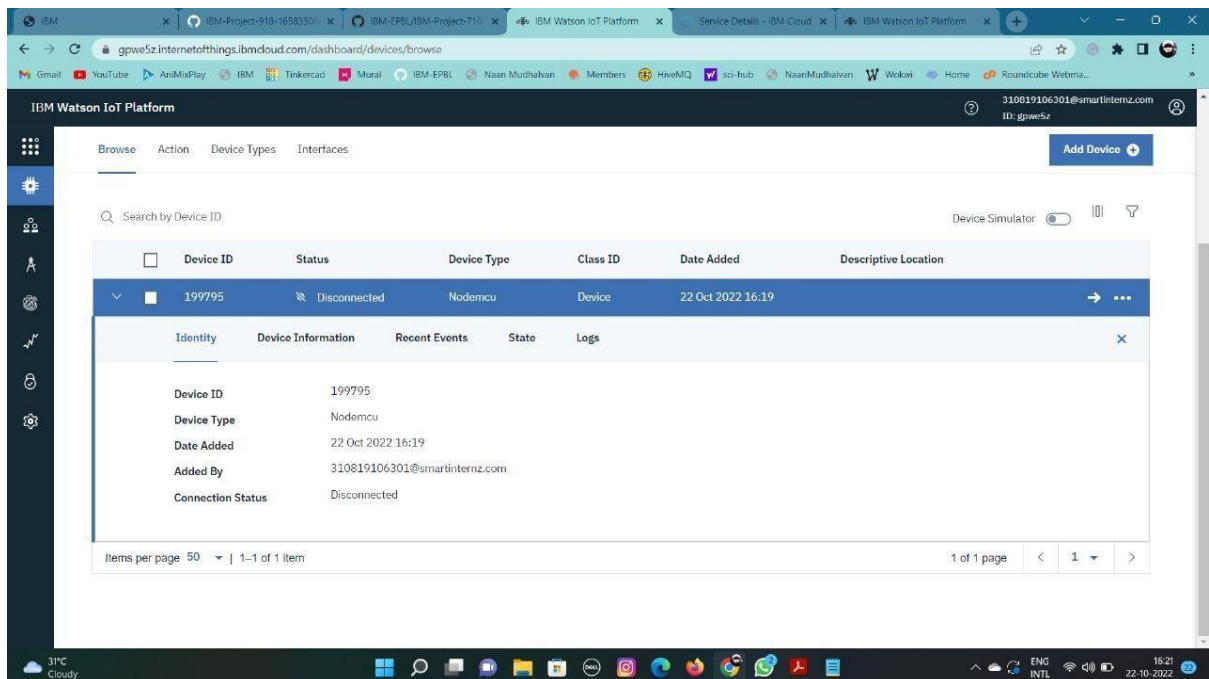
16. The device credentials will be displayed with all the details.



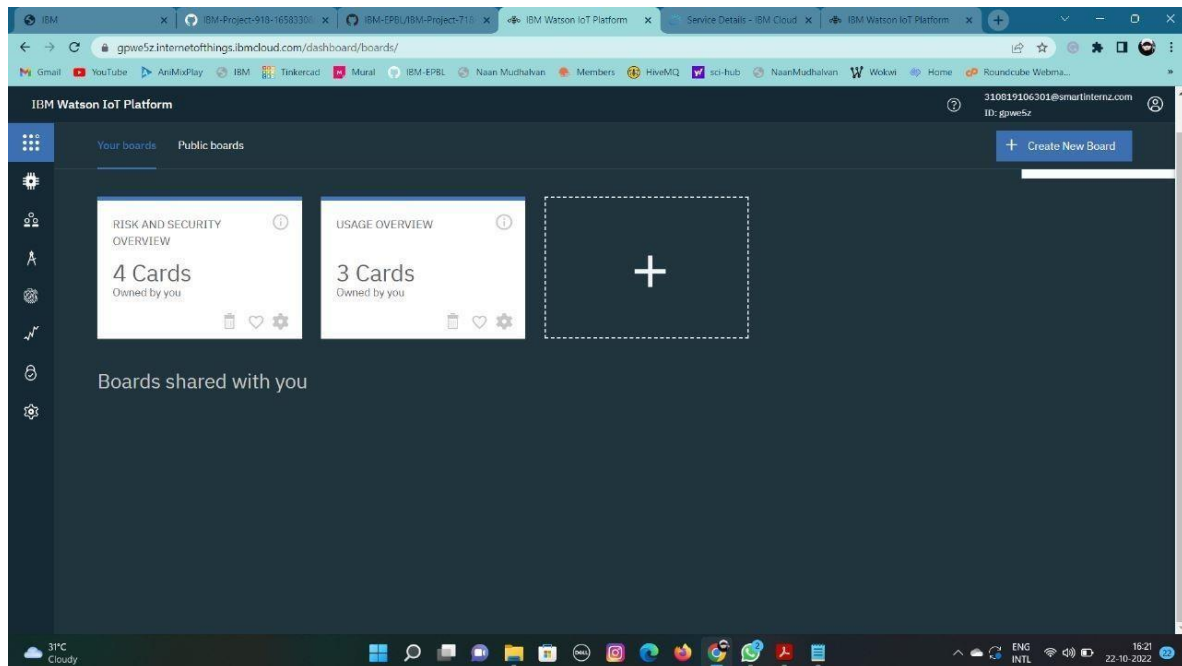
17. Clicking on the device tab we can now see the added device. Clicking on it will display the other details.



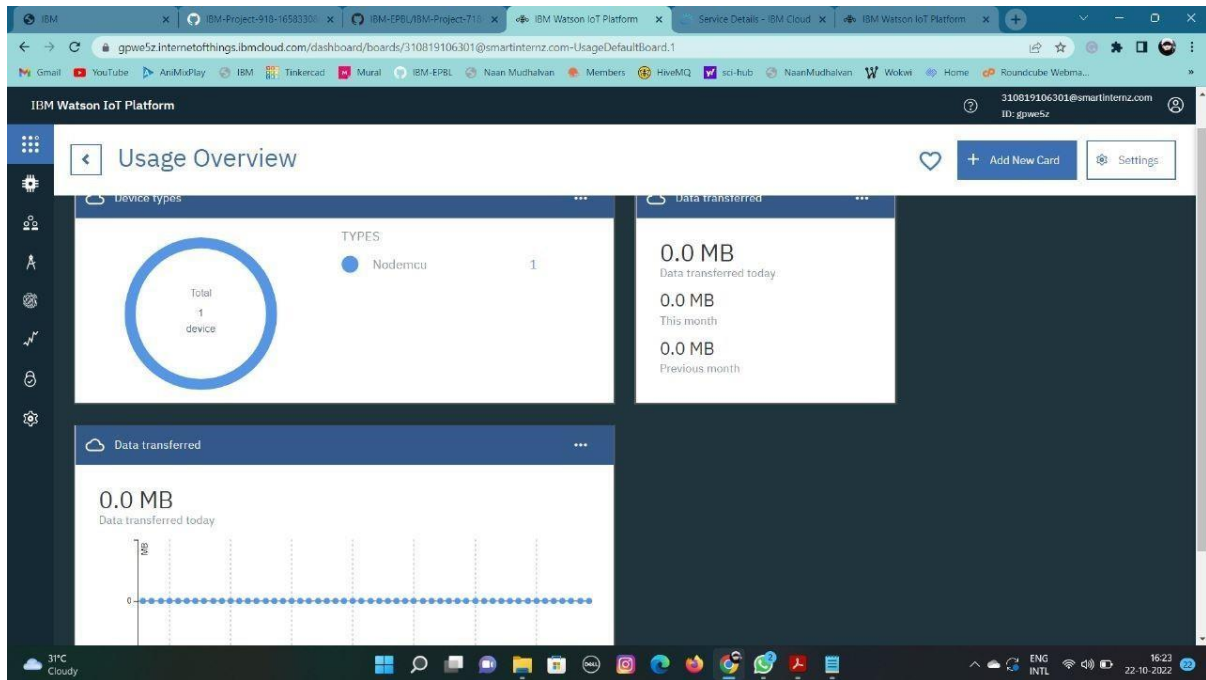
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18. The Boards will display card for the project.



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RESULT:

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