

Team ID: PNT2022TMID44171

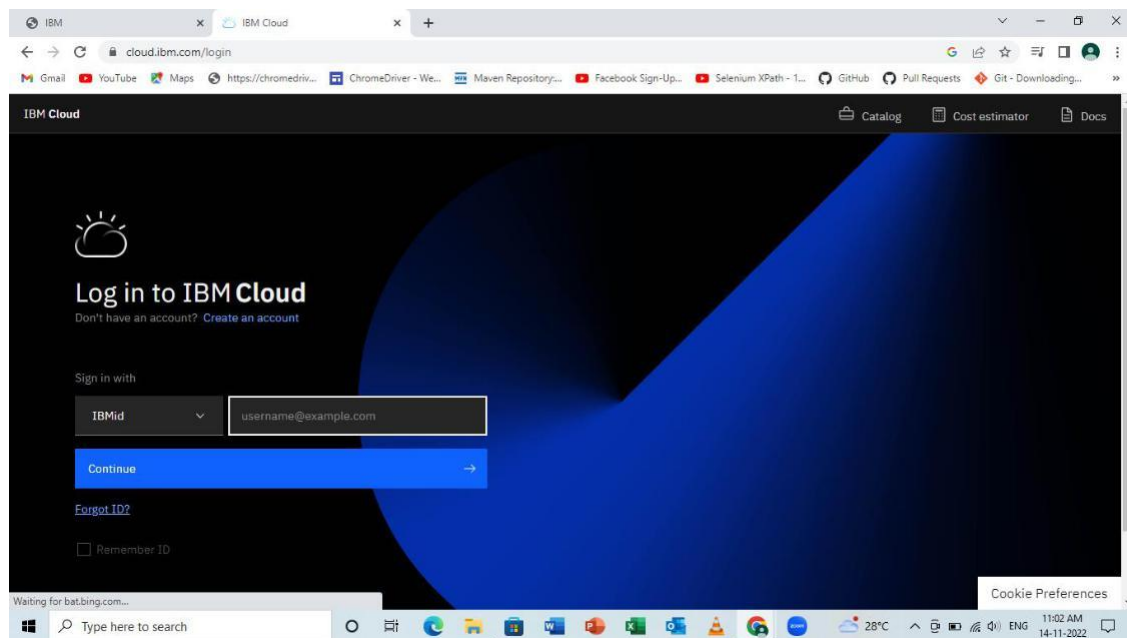
CREATE IBM WATSON IOT PLATFORM AND DEVICE

AIM:

To create the IBM Watson IoT platform and device.

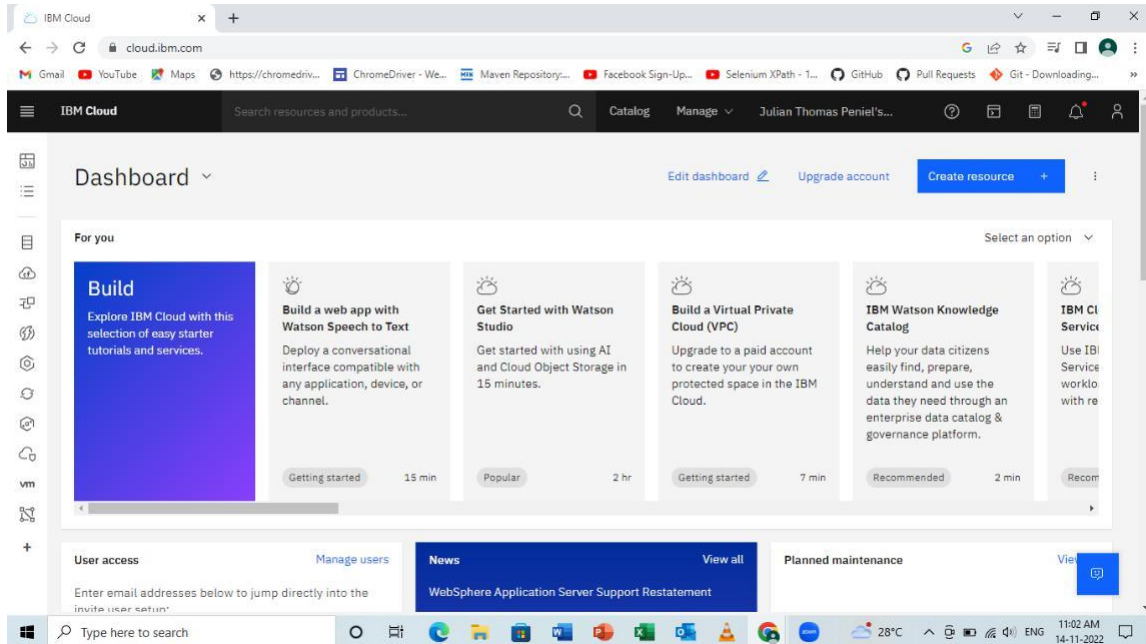
STEPS:

1. First create an IBM cloud account with IBM id and a password.

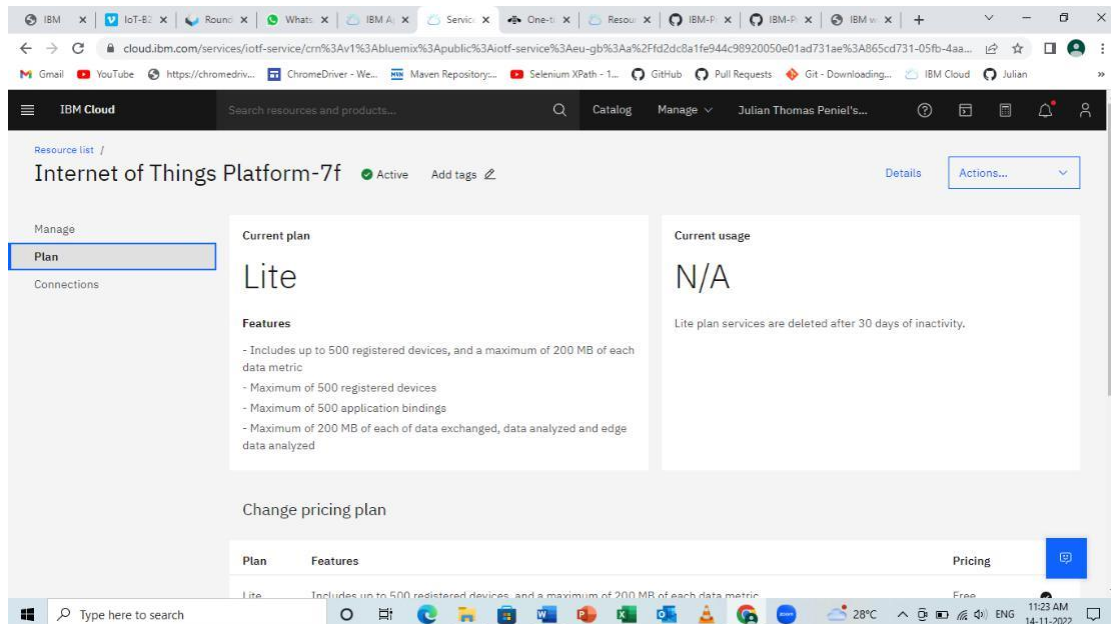


2. Home page of IBM cloud.

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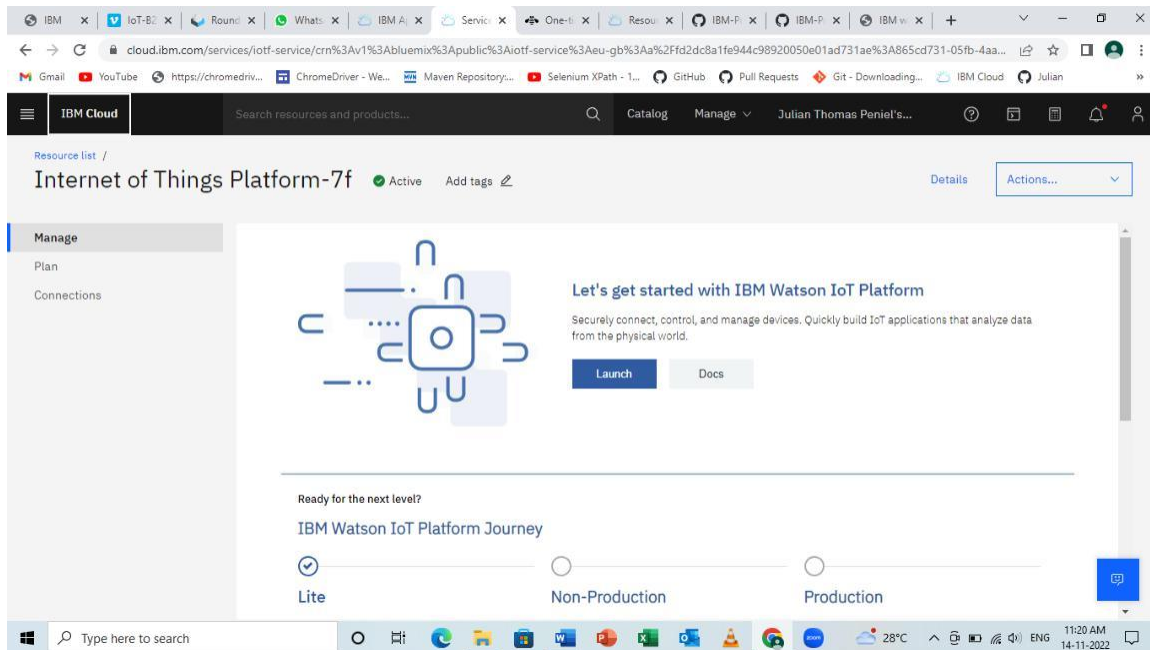


3. Internet of Things Platform Child safety will be created, where there are different options like manage, plan, and connection.

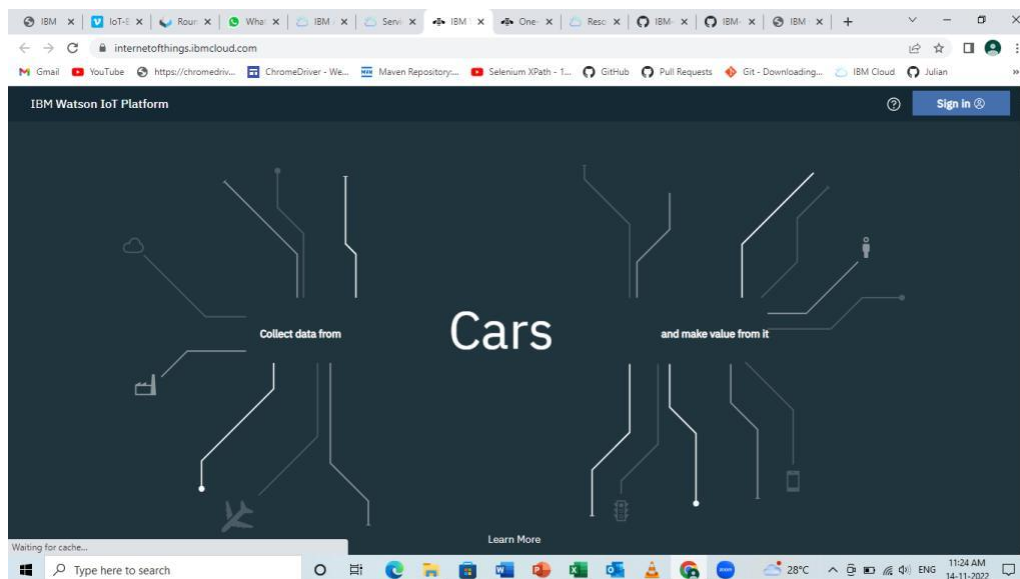


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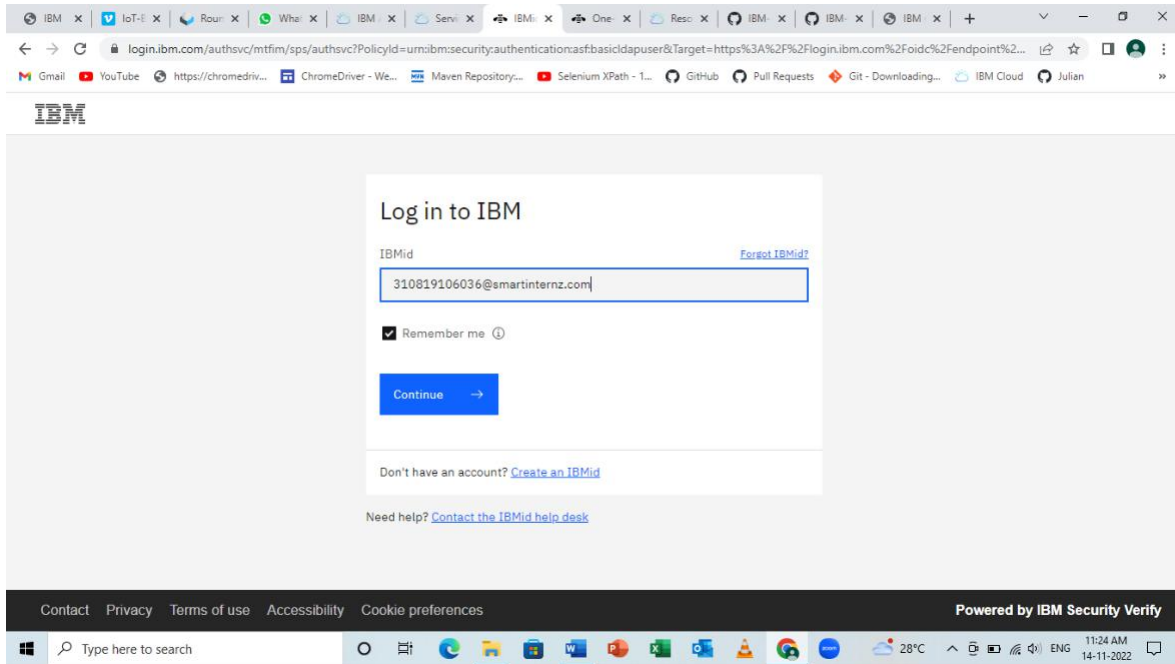
4. Clicking on the launch button in the manage tab, it will open to this.



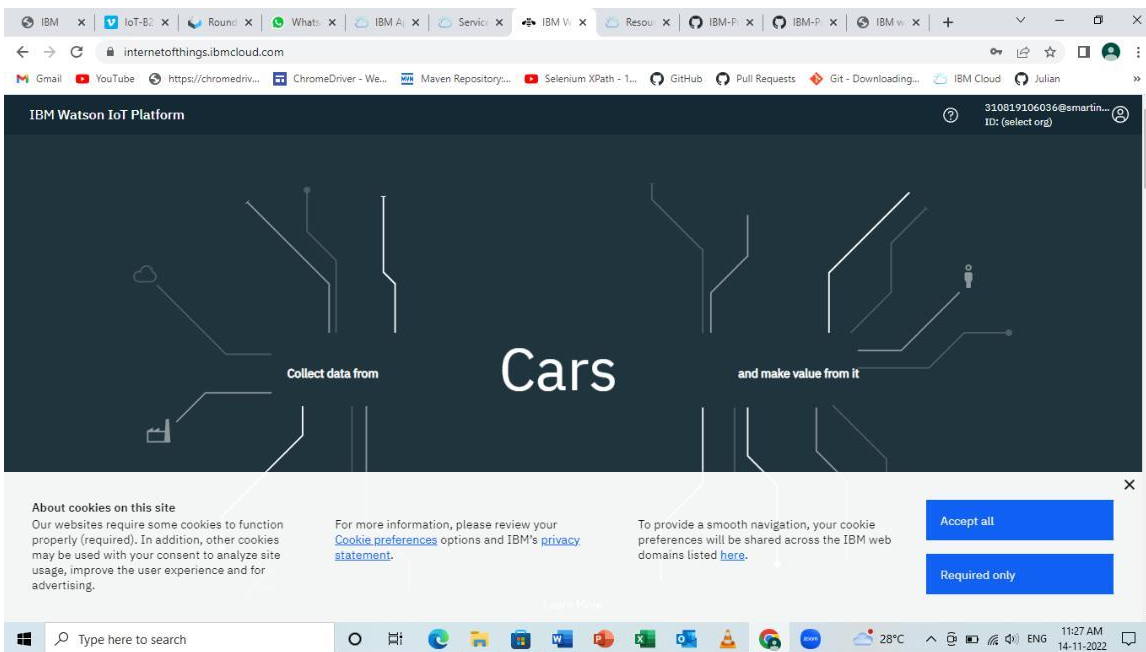
5. Enter the details to sign in to the Watson Cloud to create a device.



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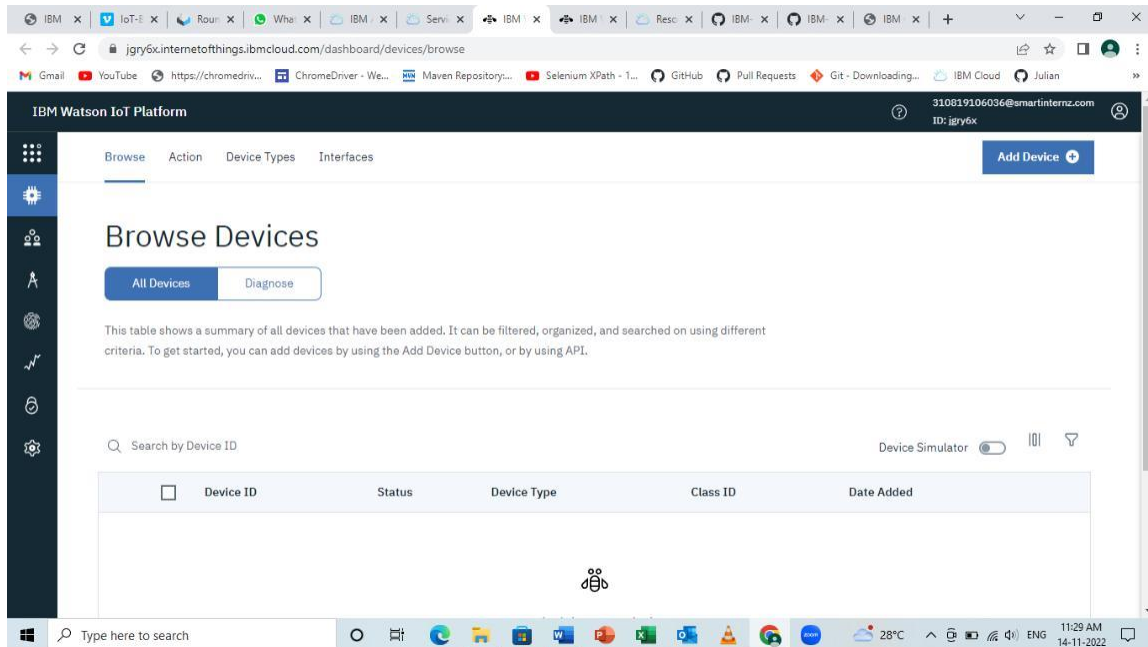


6. Once logged in the name will be displayed and it goes back to the first page.

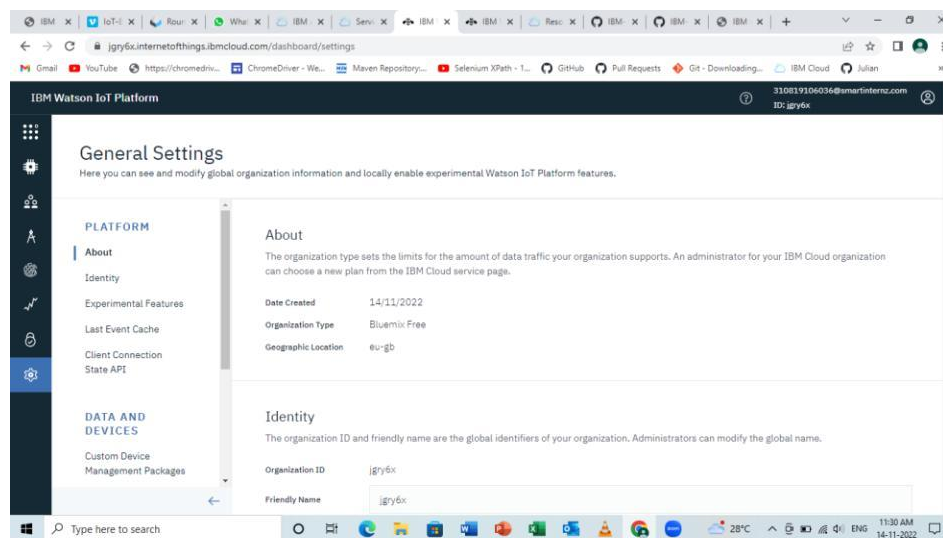


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7. And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display of details of the devices.

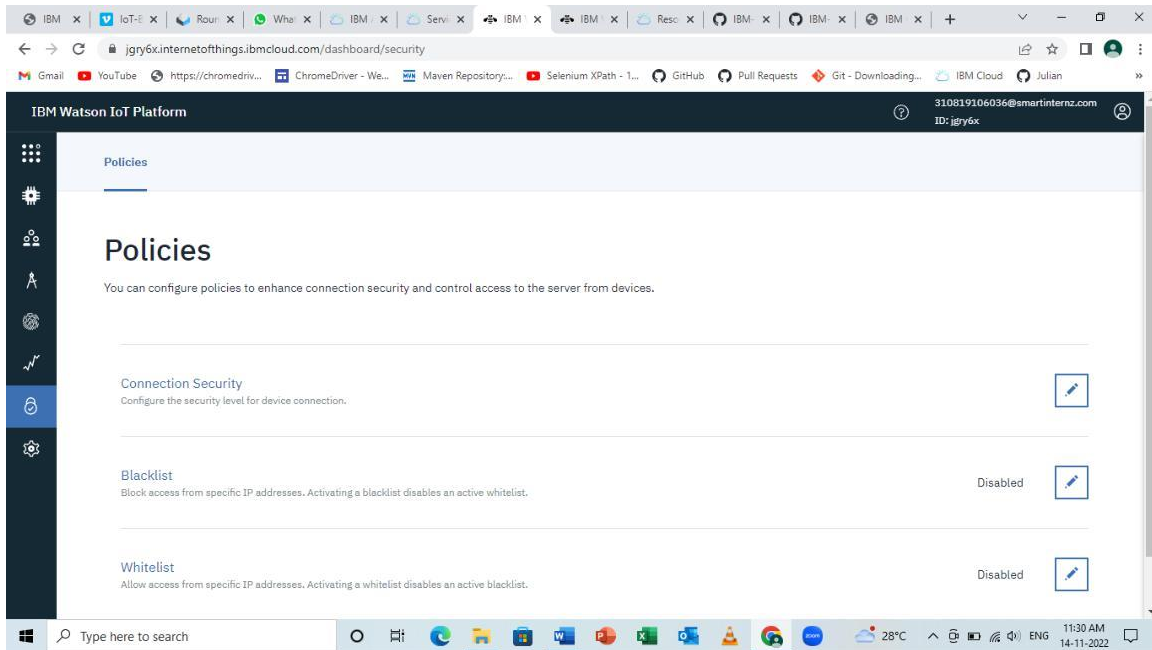


8. The setting tab is used to change the general setting if needed for the project.

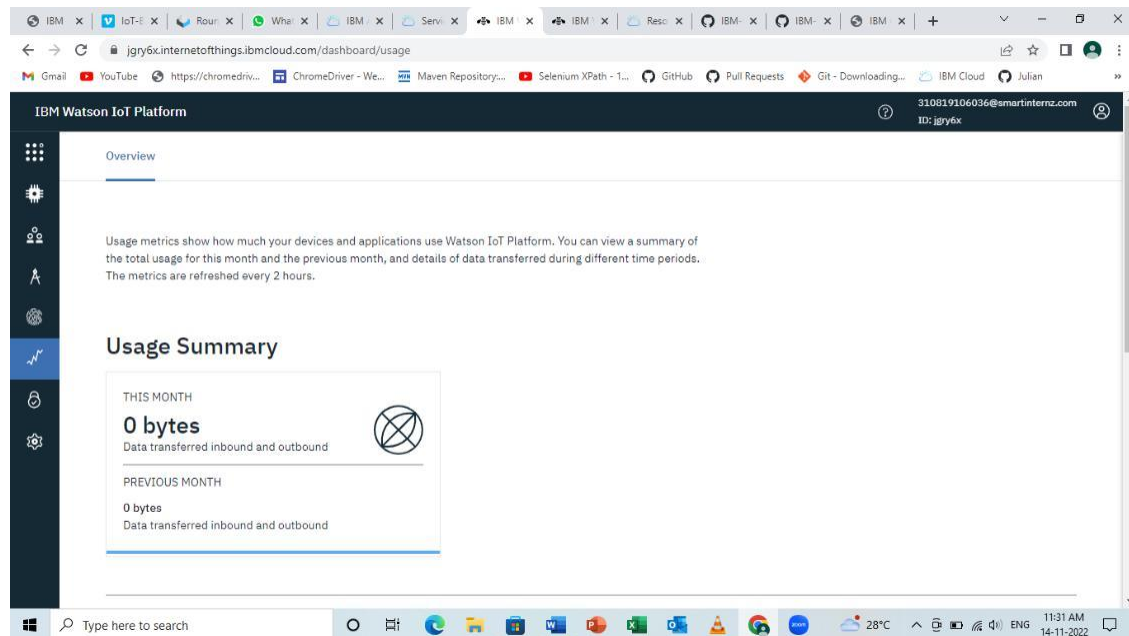


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9. The security tab we can choose the type of security connection and can change according to specification.



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



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

The screenshot shows the 'Browse Members' page in the IBM Watson IoT Platform. The page has a dark sidebar with navigation icons. The main content area is titled 'Browse Members' and includes a search bar with the placeholder text 'Type the member email to search for'. Below the search bar, a table displays a list of members. The table has columns for 'Email Address', 'Name', 'Role', 'Added By', and 'Expires'. A single member is listed with the email '310819106036@smartinternz....', name '310819106036@smar...', role 'Administrator', and 'Added By' as '-'. The 'Expires' column shows '-'. A '+ Add Members' button is located in the top right corner of the page.

Email Address	Name	Role	Added By	Expires
310819106036@smartinternz....	310819106036@smar...	Administrator	-	-

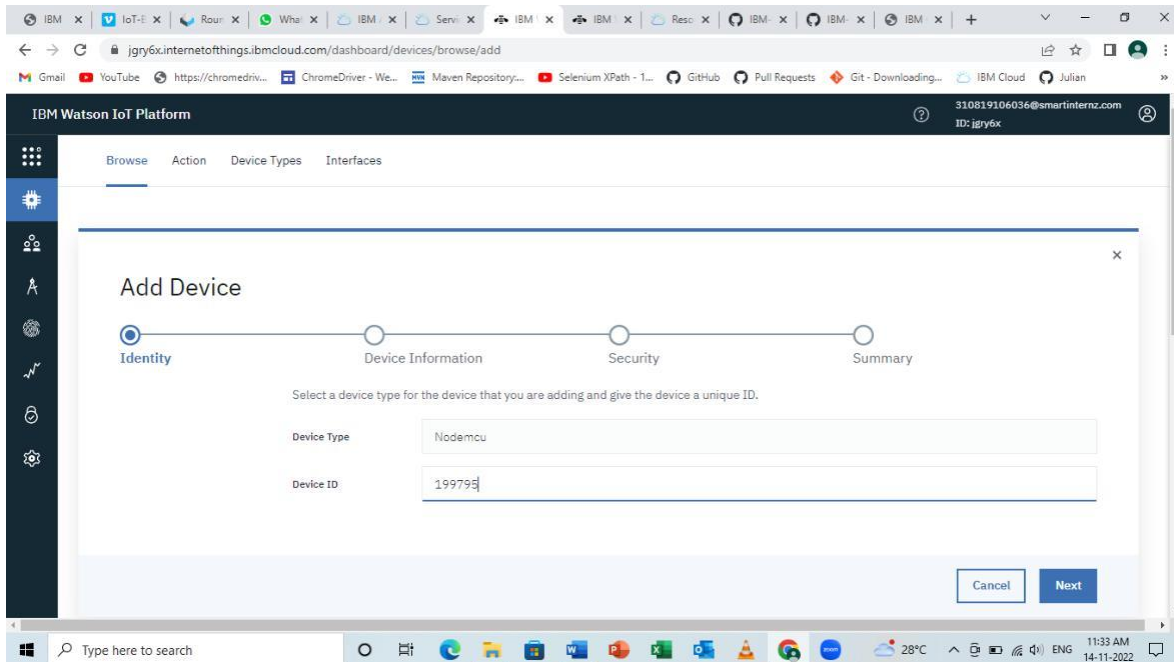
12. This tab is used when you want to connect to some other platform and to integrate with other services.

The screenshot shows the 'Browse API Keys' page in the IBM Watson IoT Platform. The page has a dark sidebar with navigation icons. The main content area is titled 'Browse API Keys' and includes a search bar with the placeholder text 'Type the app description to search for'. Below the search bar, a table displays a list of API keys. The table has columns for 'Key', 'Description', 'Role', and 'Expires'. The table is currently empty, showing '0 results'. A '+ Generate API Key' button is located in the top right corner of the page. Below the table, there is a bee icon and the text 'There are no API Keys'.

Key	Description	Role	Expires
0 results			

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



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

The screenshot shows the 'Add Device' page in the IBM Watson IoT Platform. The page is divided into four steps: Identity, Device Information, Security, and Summary. The 'Device Information' step is currently active. It contains several input fields for device details:

- Serial Number: Enter Serial Number
- Model: Enter Model
- Description: Enter Description
- Hardware Version: Enter Hardware Version
- Manufacturer: Enter Manufacturer
- Device Class: Enter Device Class
- Firmware Version: Enter Firmware Version
- Descriptive Location: Enter Descriptive Location

There is an 'Add Metadata' button at the bottom left of the form. The top navigation bar shows 'Browse', 'Action', 'Device Types', and 'Interfaces'. The user's profile information is visible in the top right corner.

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

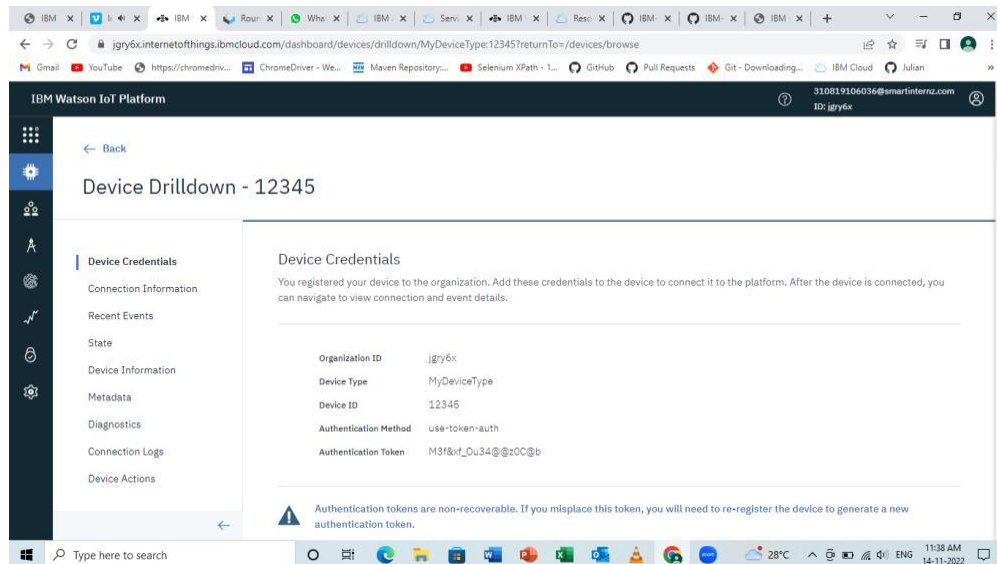
The screenshot shows the 'Add Device' page in the IBM Watson IoT Platform, specifically the 'Summary' step. The previous steps (Identity, Device Information, Security) are marked as completed. The 'Summary' step displays the following information:

- Device Type: MyDeviceType
- Device ID: 12345
- Security Token: To be generated

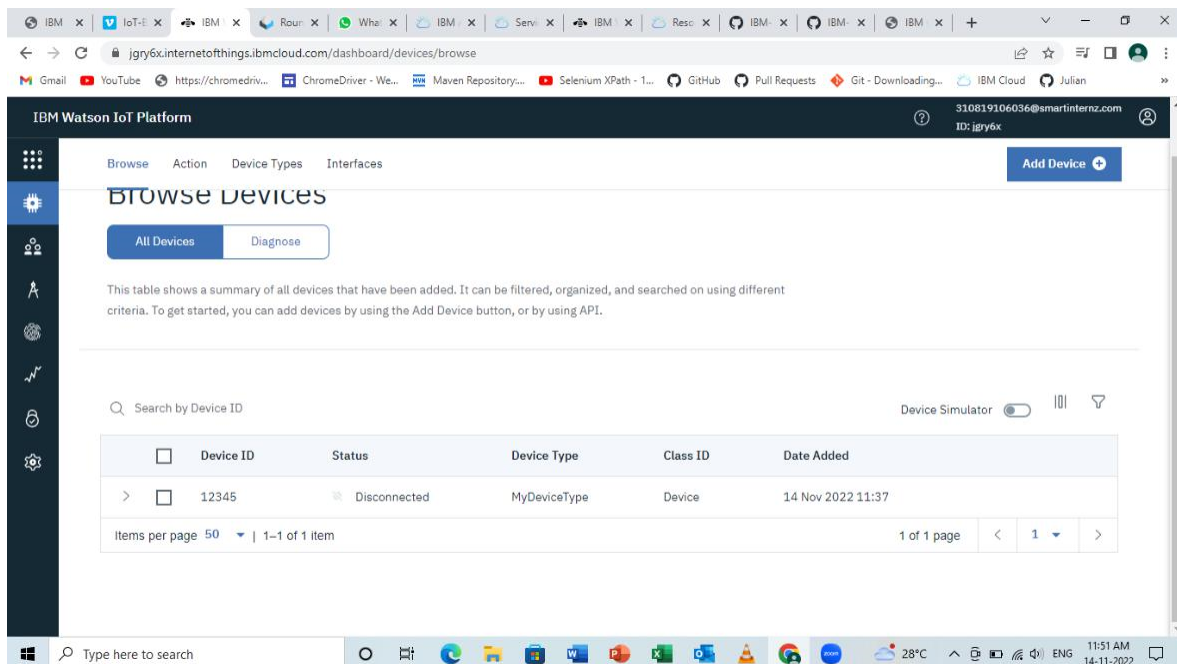
There is a 'View Metadata' button next to the Device ID. At the bottom right, there are 'Back' and 'Finish' buttons. The top navigation bar and user profile information are also visible.

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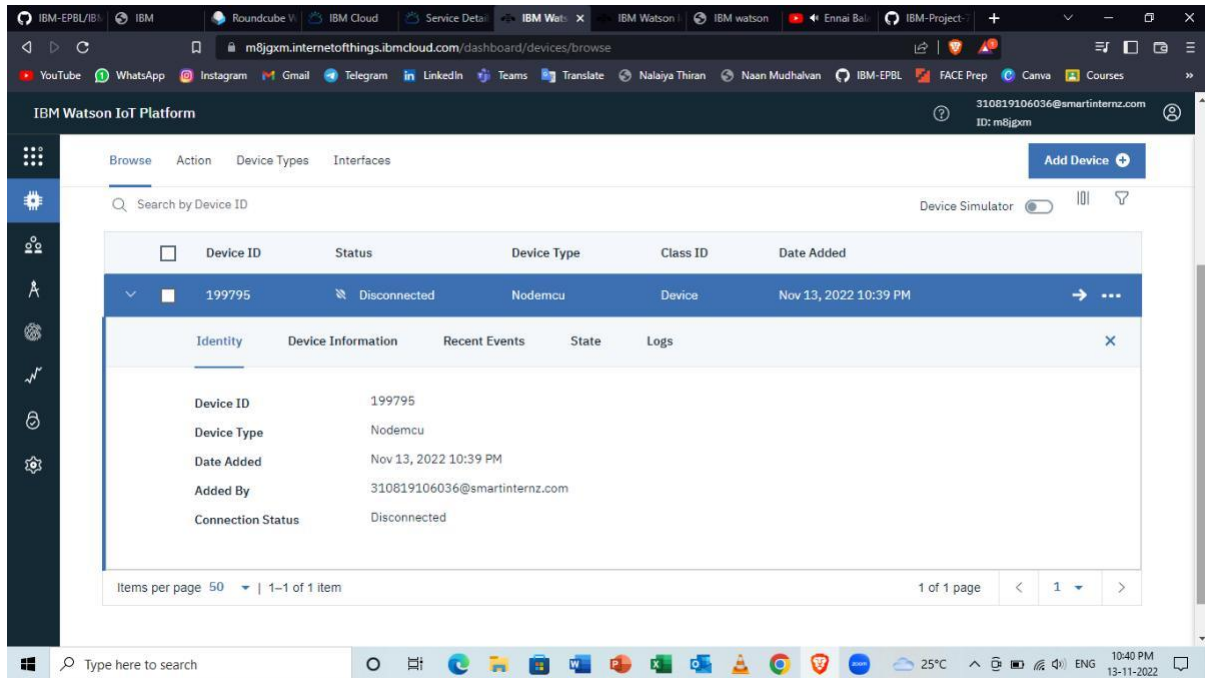
16. The device credentials will be displayed with all the details.



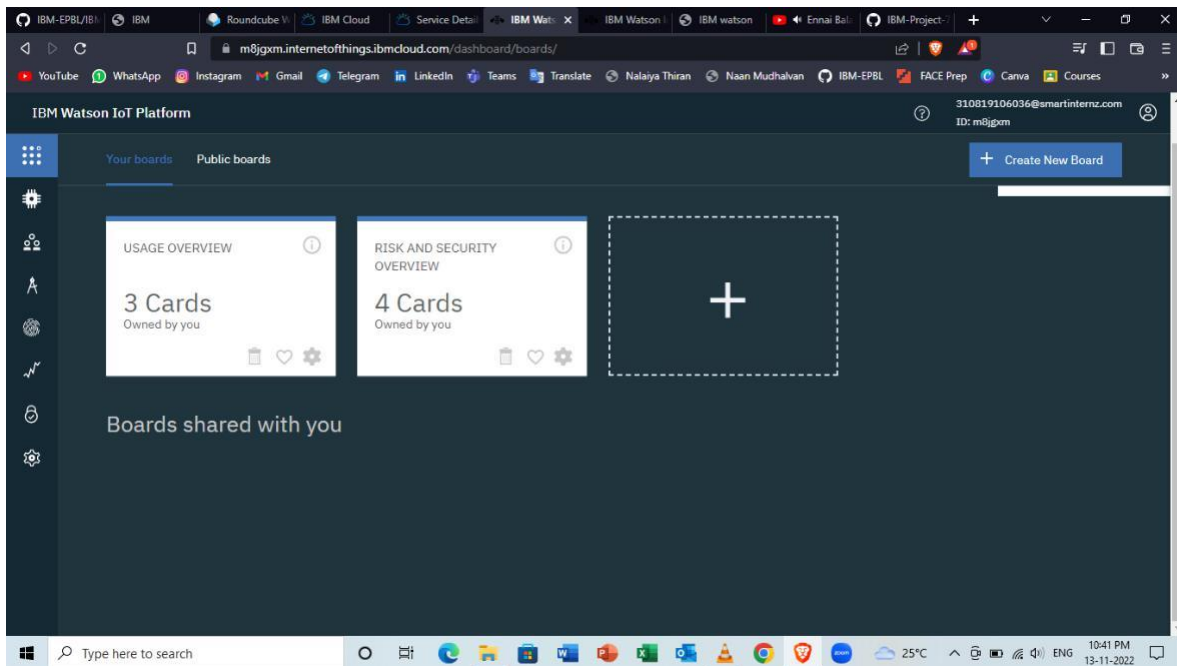
17. Clicking on the device tab we can now see the added device. Clicking on it will display the other details.



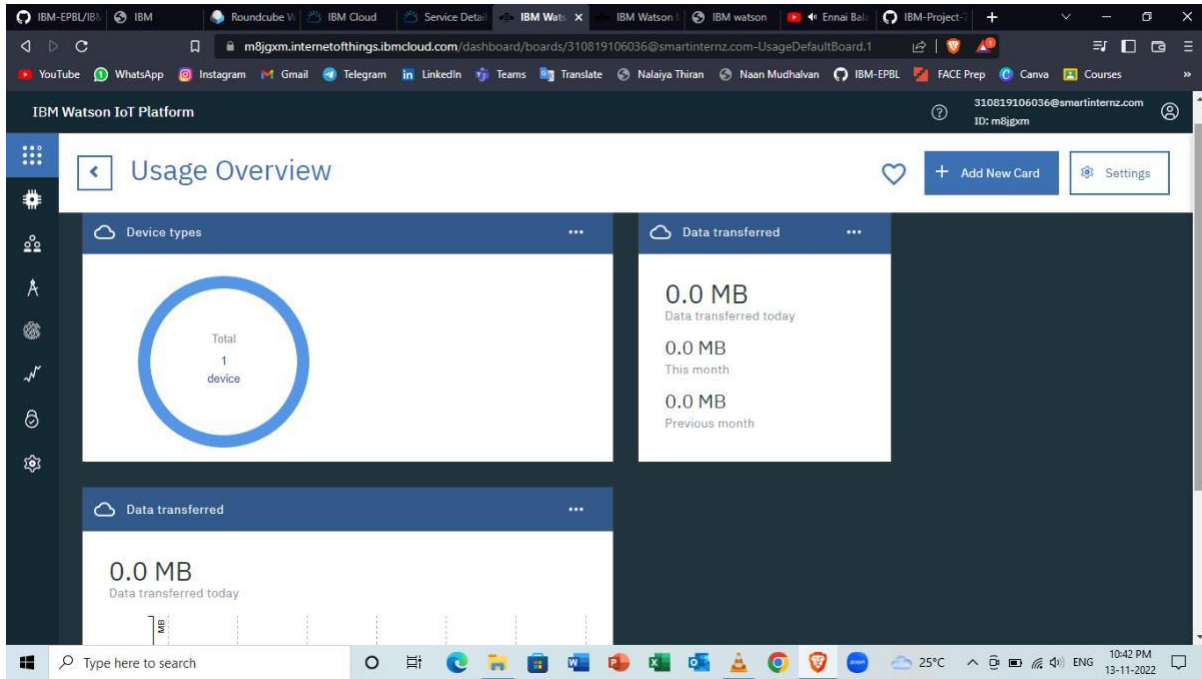
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18. The Boards will display card for the project.



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RESULT:

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