

## Create and Configure IBM Cloud Service

### Create IBM Watson IoT Platform And Device

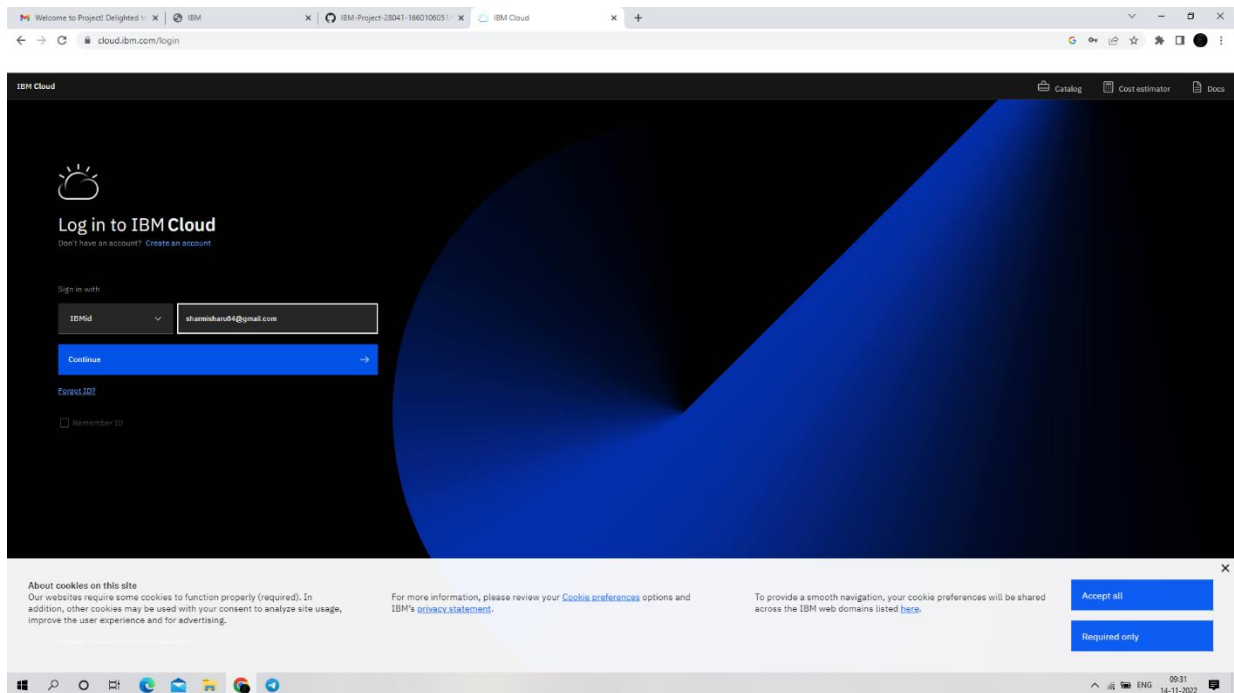
Team ID	PNT2022TMID14424
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

#### Aim :

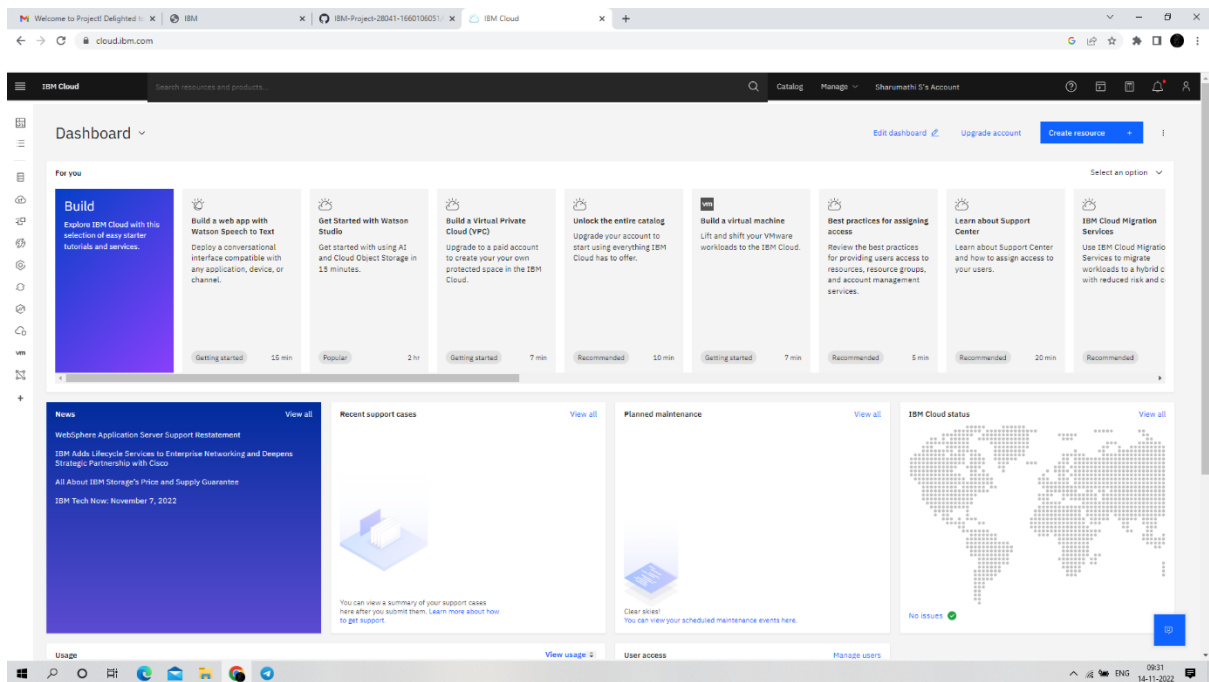
To create IBM Watson IoT Platform And Device.

#### Steps :

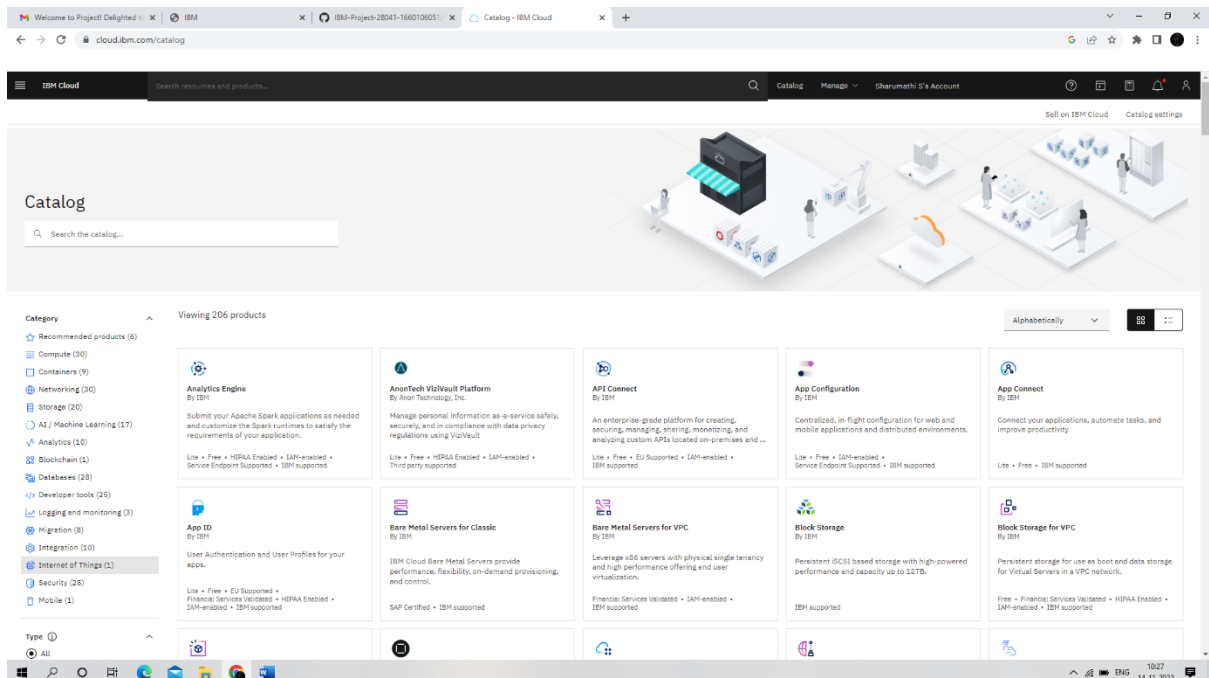
1.Log in to IBM Cloud with smart internz mail ID and Password.



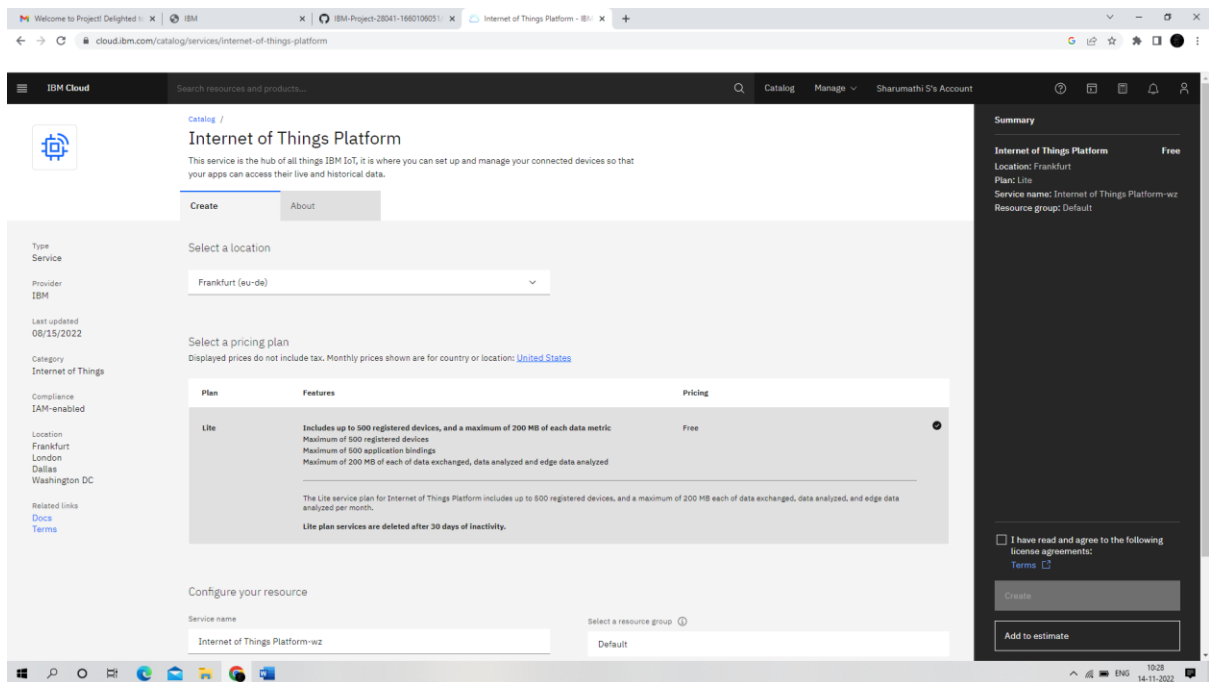
## 2.Home page of IBM cloud.



## 3.Click on the catalog on the top.

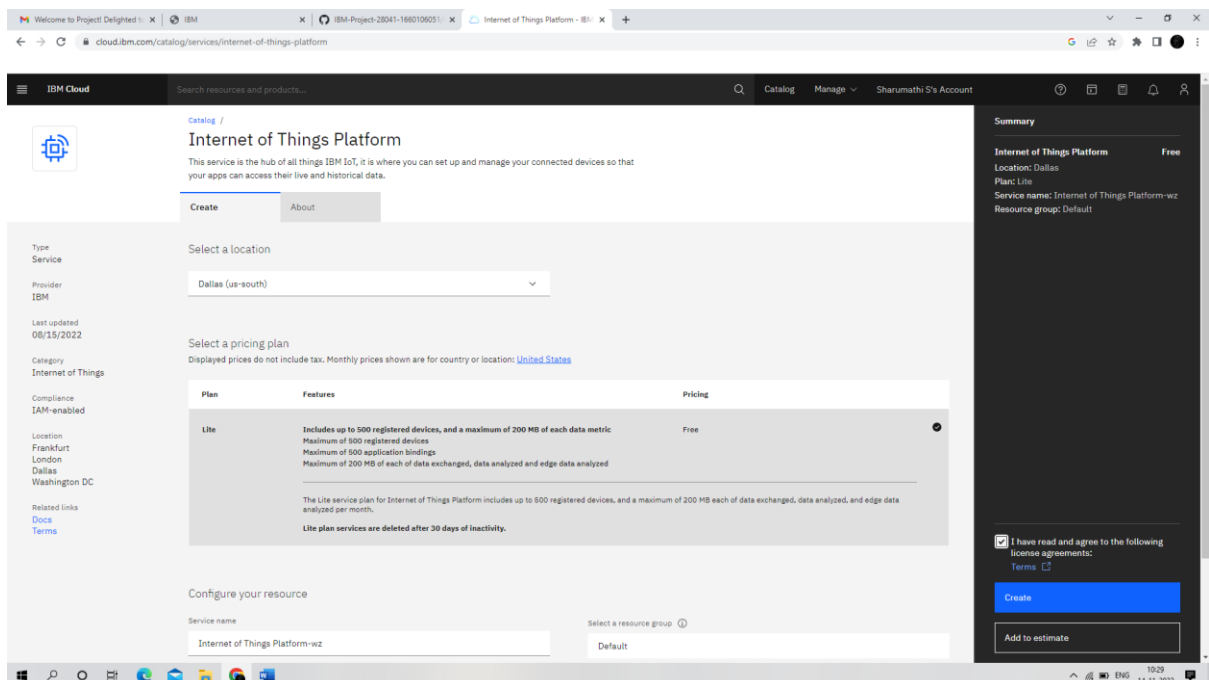


#### 4. Click on IoT in the category mentioned.

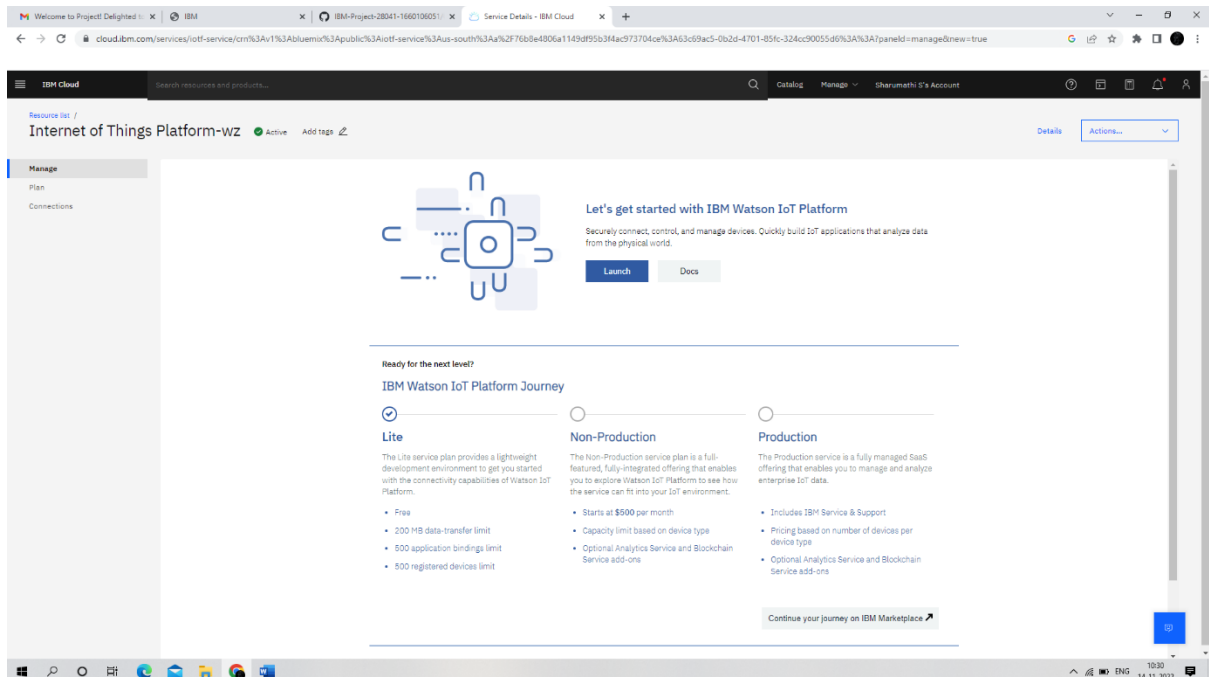


#### 5. If already a lite is present delete it else click on create another.

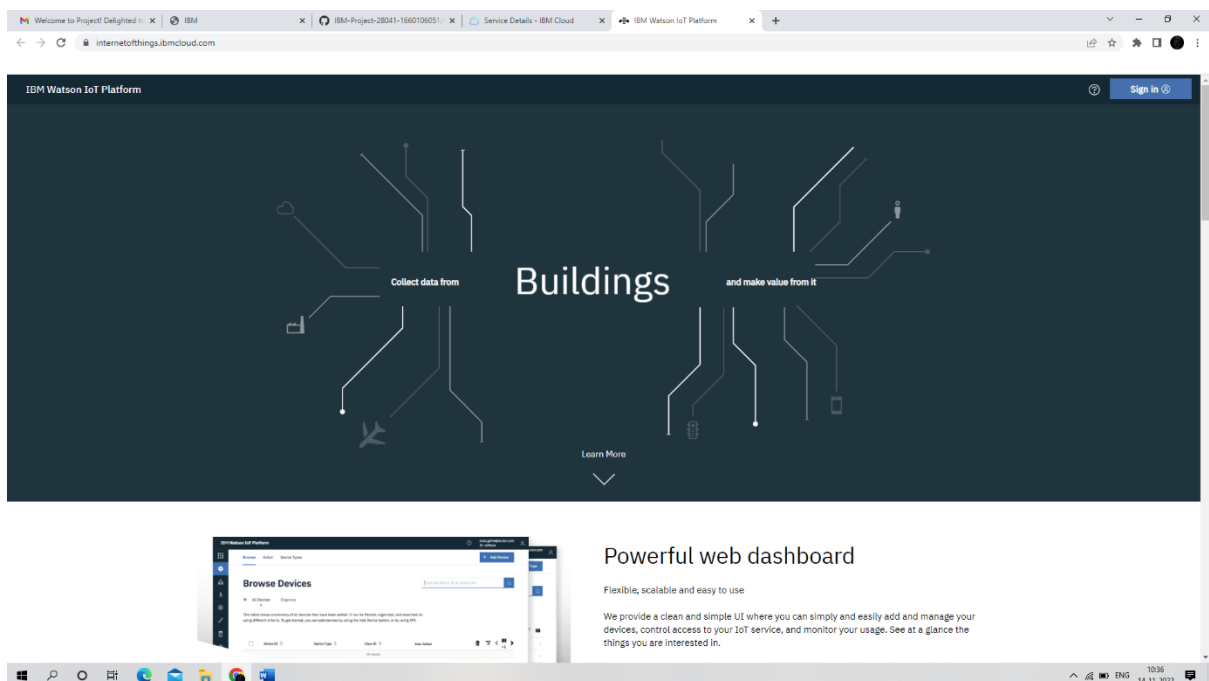
#### 6. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with it agreements and then click on create.



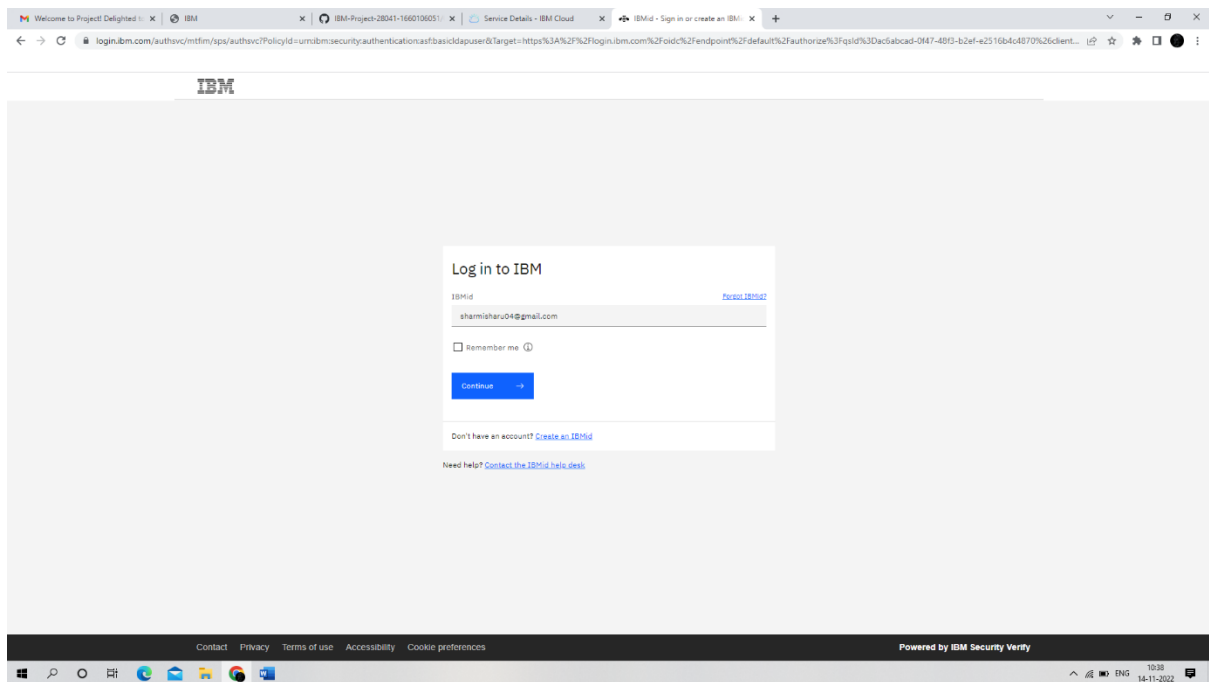
7. Internet of Things Platform-wz will be created, where there are different options like manage, plan and connection.



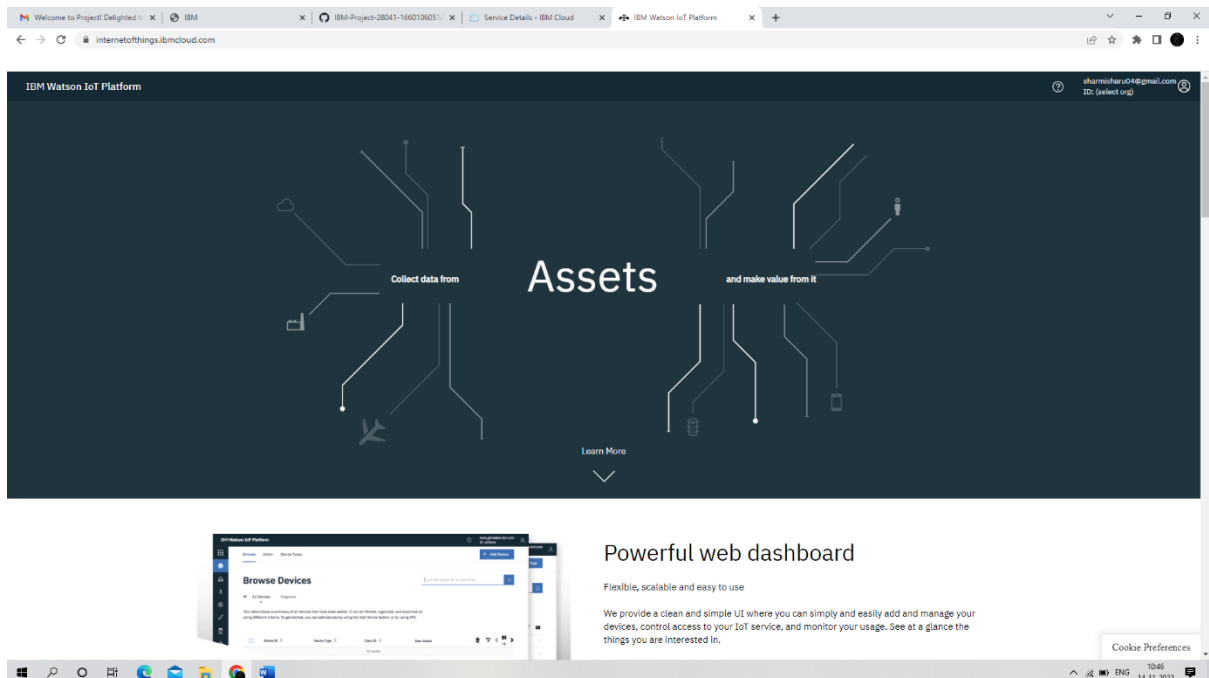
8. Clicking on the launch button in the manage tab, it will open to this.



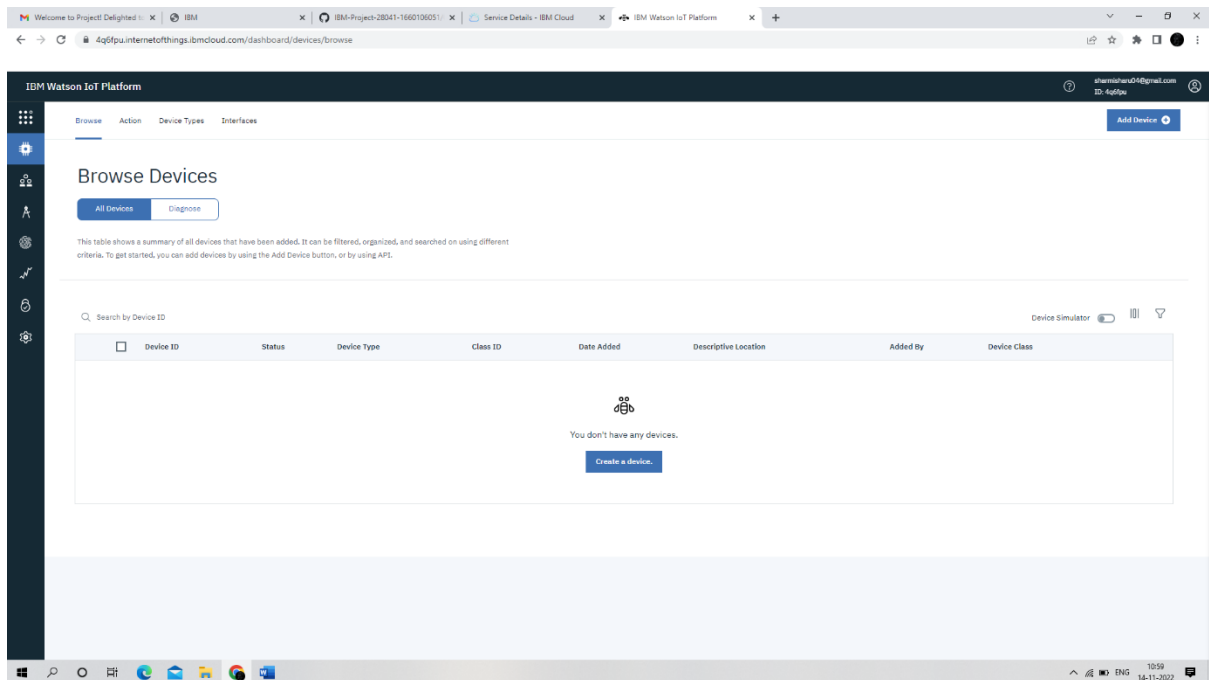
9. Enter the details to sign in to the Watson Cloud to create a device.



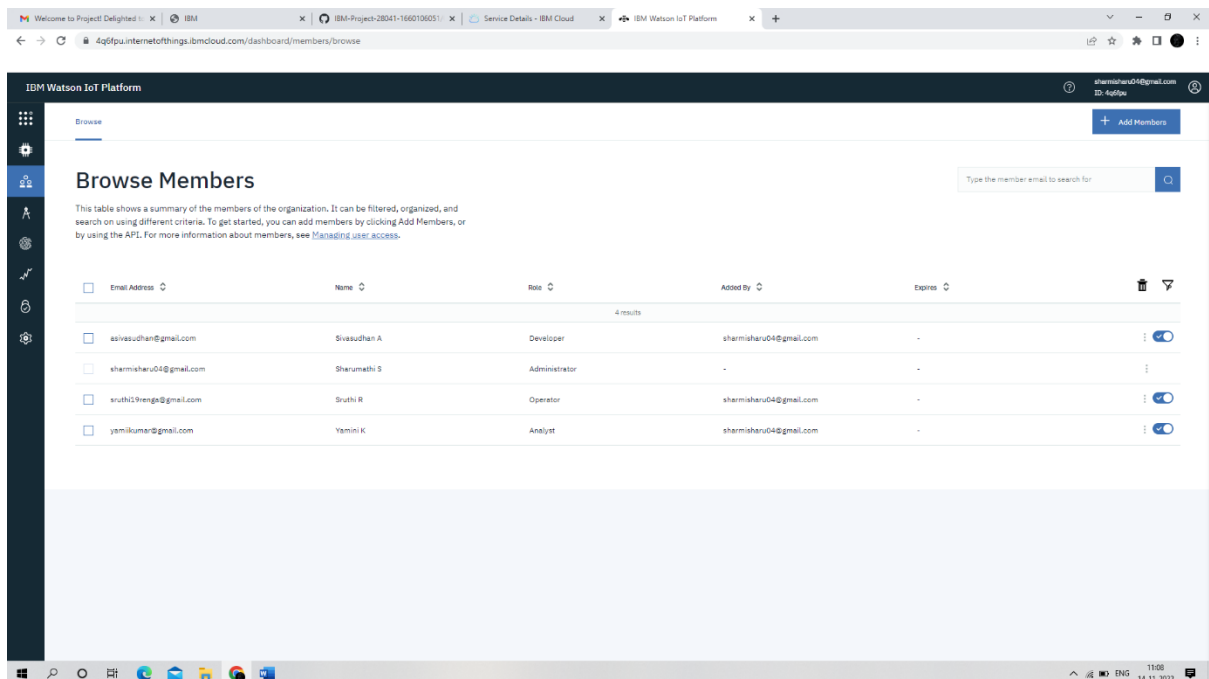
10. Once logged in, the name will be displayed and it goes back to the first page.



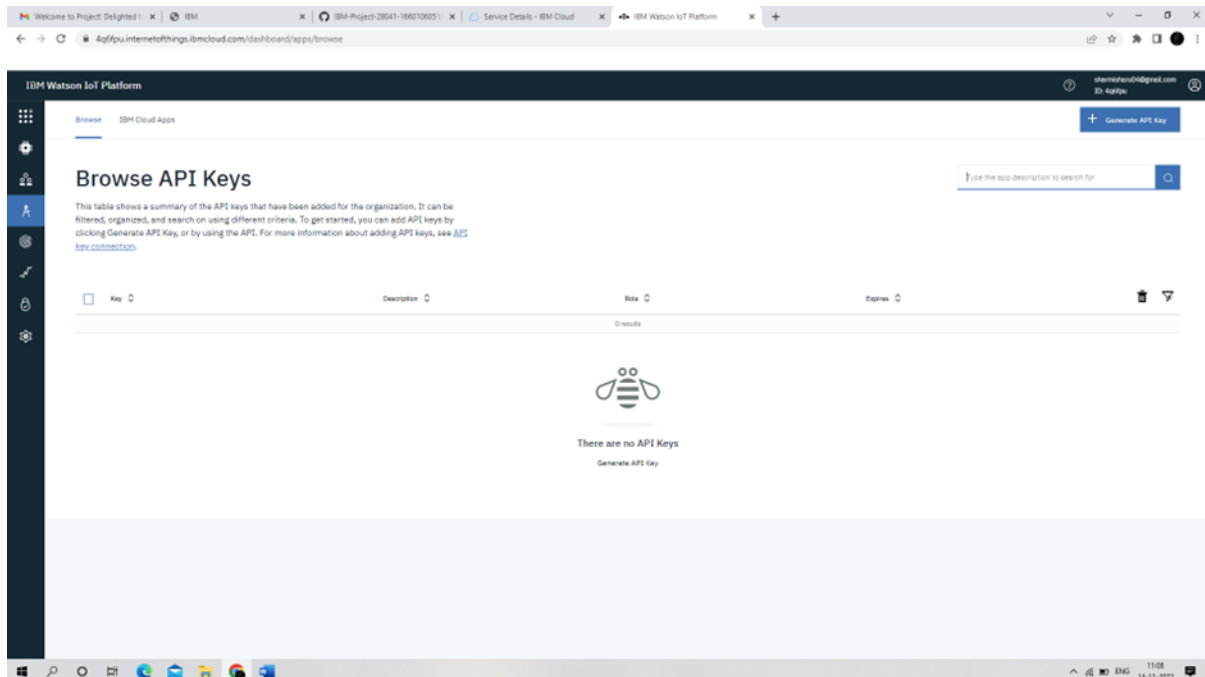
11.And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices and the displayed of details of the devices.



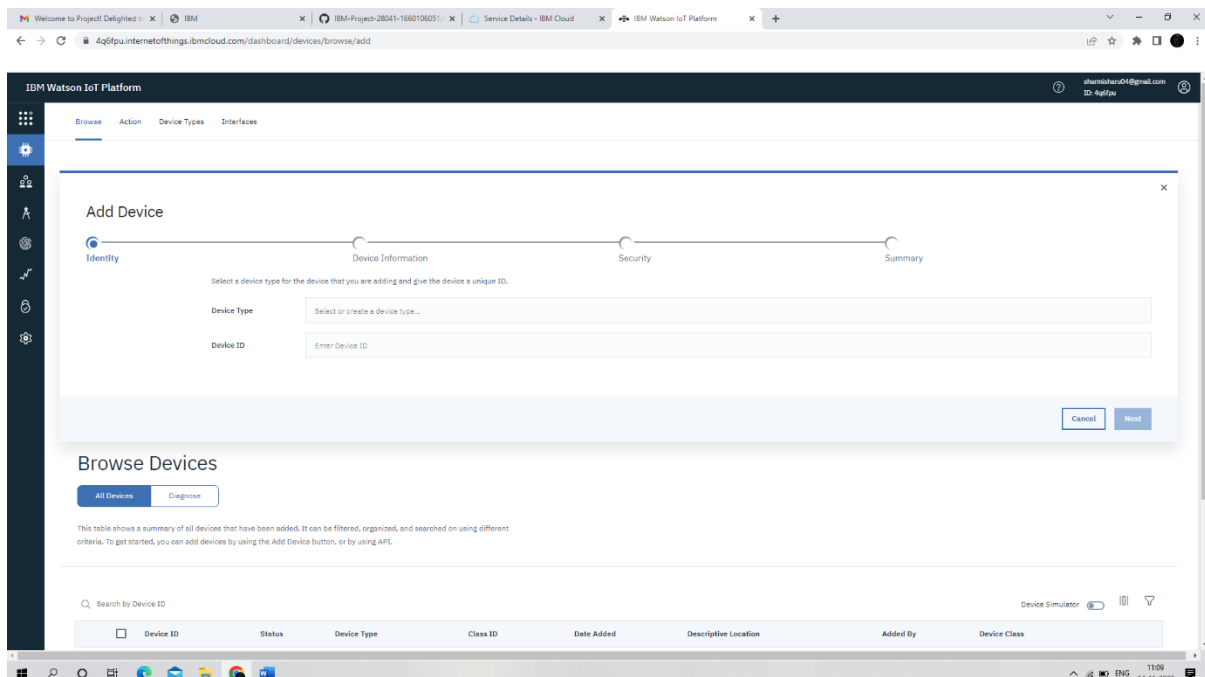
12.By clicking on the member tab, members will be added.



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



14.Click on the devices tab and click on the add device button then give the device type and device id and click next.



15.This page to enter the extra details of the hardware.

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The progress bar indicates the current step is 'Device Information'. The 'Identity' step is completed. The 'Device Information' section contains the following fields:

- 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 with a plus icon. At the bottom right of the wizard are 'Back' and 'Next' buttons. Below the wizard is a 'Browse Devices' section with 'All Devices' and 'Diagnose' buttons, and a brief description of the table.

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

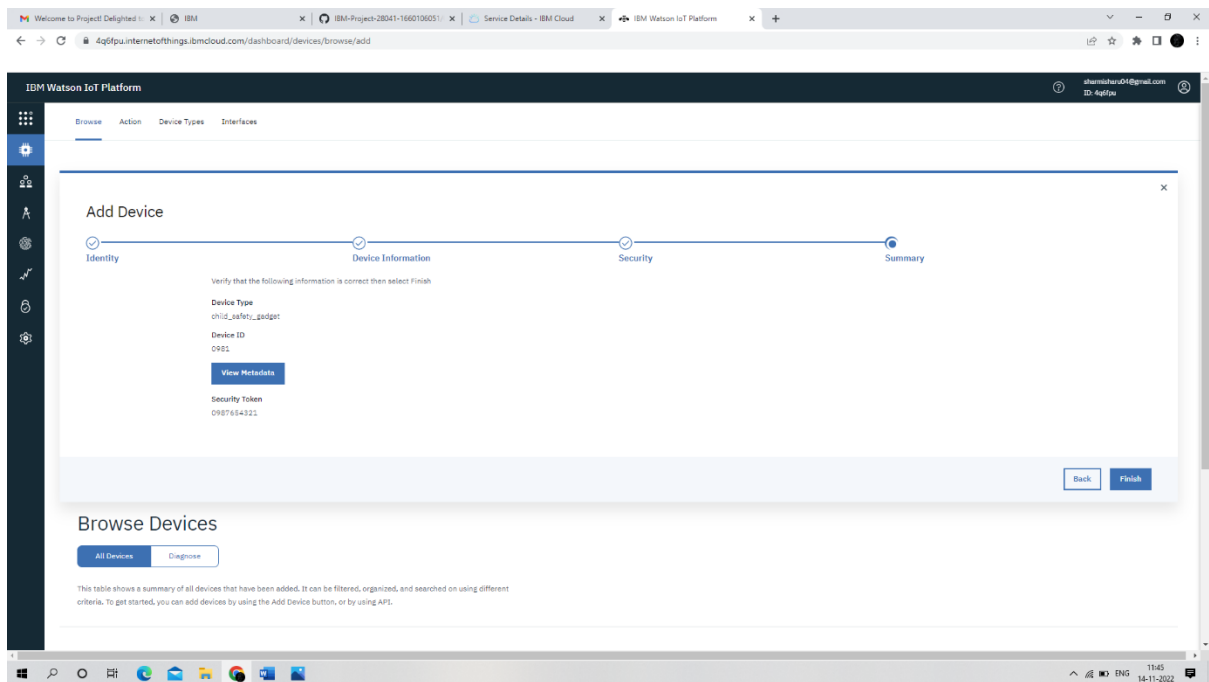
The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform, now at the 'Security' step. The progress bar shows 'Identity' and 'Device Information' as completed steps. The 'Security' section provides two options for selecting a device authentication token:

- Auto-generated authentication token (default):** Allow the service to generate an authentication token for you. Tokens are 18 characters and contain a mix of alphanumeric characters and symbols. The token is returned to you at the end of the device registration process.
- Self-provided authentication token:** Provide your own authentication token for this device. The token must be between 8 and 36 characters and contain a mix of lowercase and uppercase letters, numbers, and symbols, which can include hyphens, underscores, and periods. Do not use repeated characters, dictionary words, user names, or other predefined sequences.

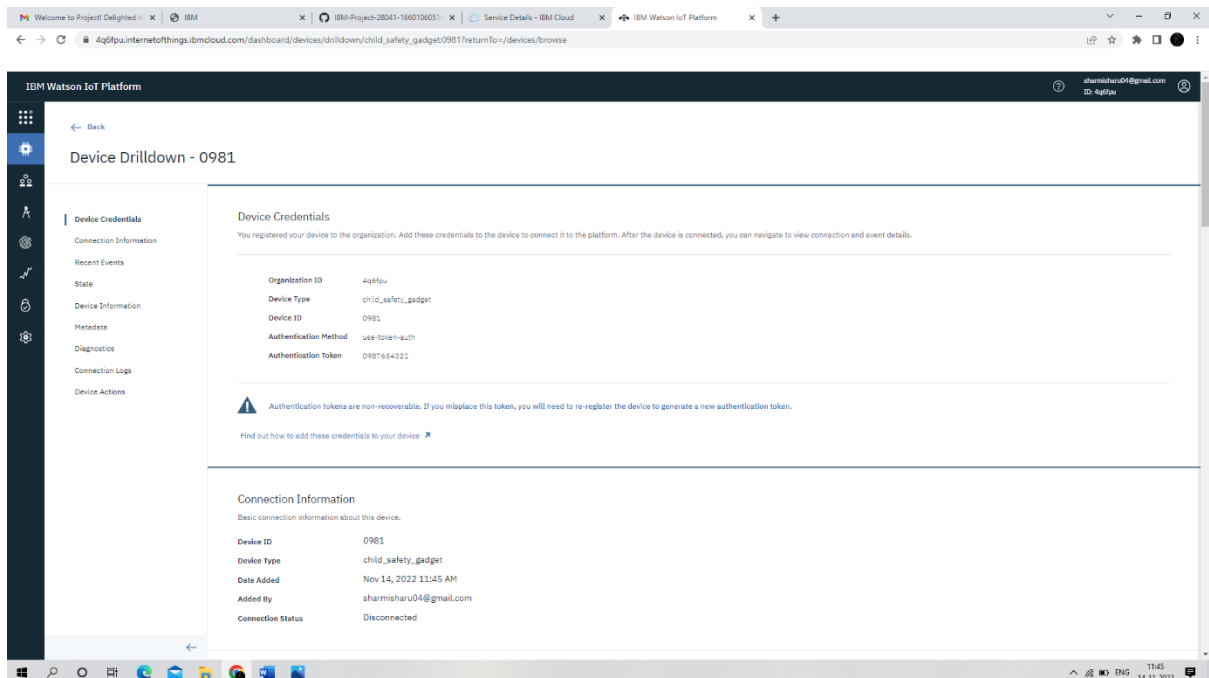
Below these options is an 'Authentication Token' input field with a placeholder 'Enter an optional token' and a copy icon. A note states: 'Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored. Authentication tokens are encrypted before we store them.' At the bottom right are 'Back' and 'Next' buttons. The 'Browse Devices' section remains visible at the bottom.



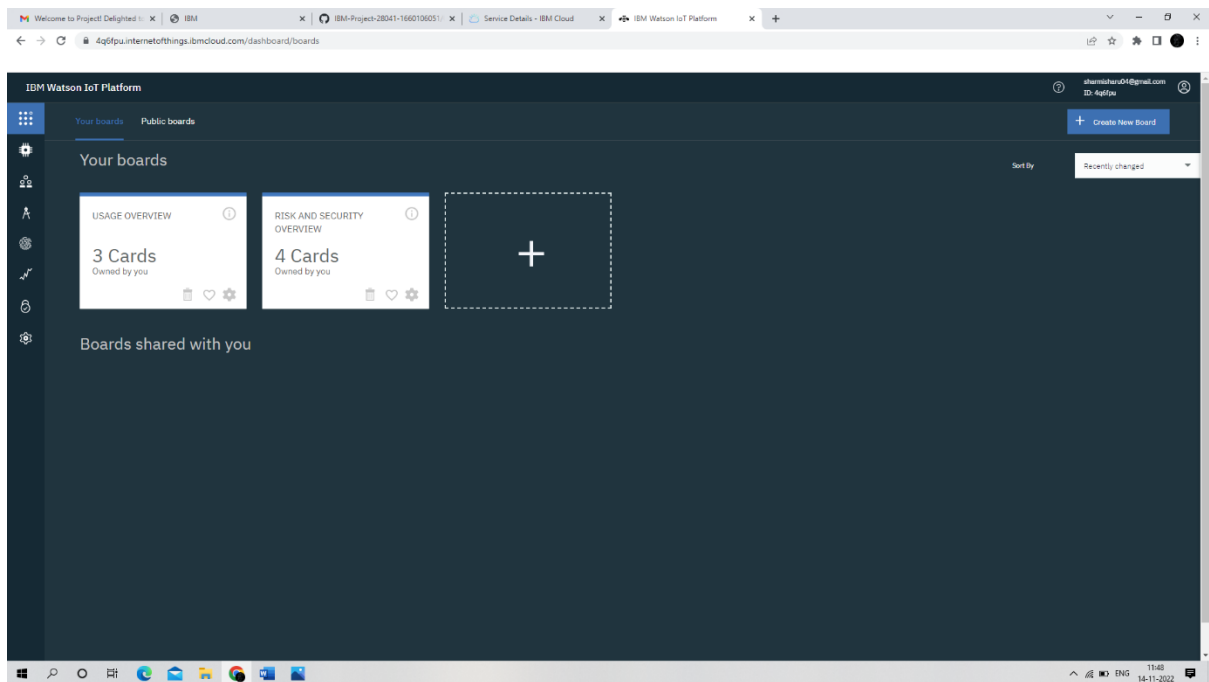
17. Clicking on next, it goes to the summary of the device and then click finish.



18. The device credentials will be displayed all the details.



19.The boards will display card for the project.



**Result :**

An IBM Watson IoT Platform And Device has been created successfully.