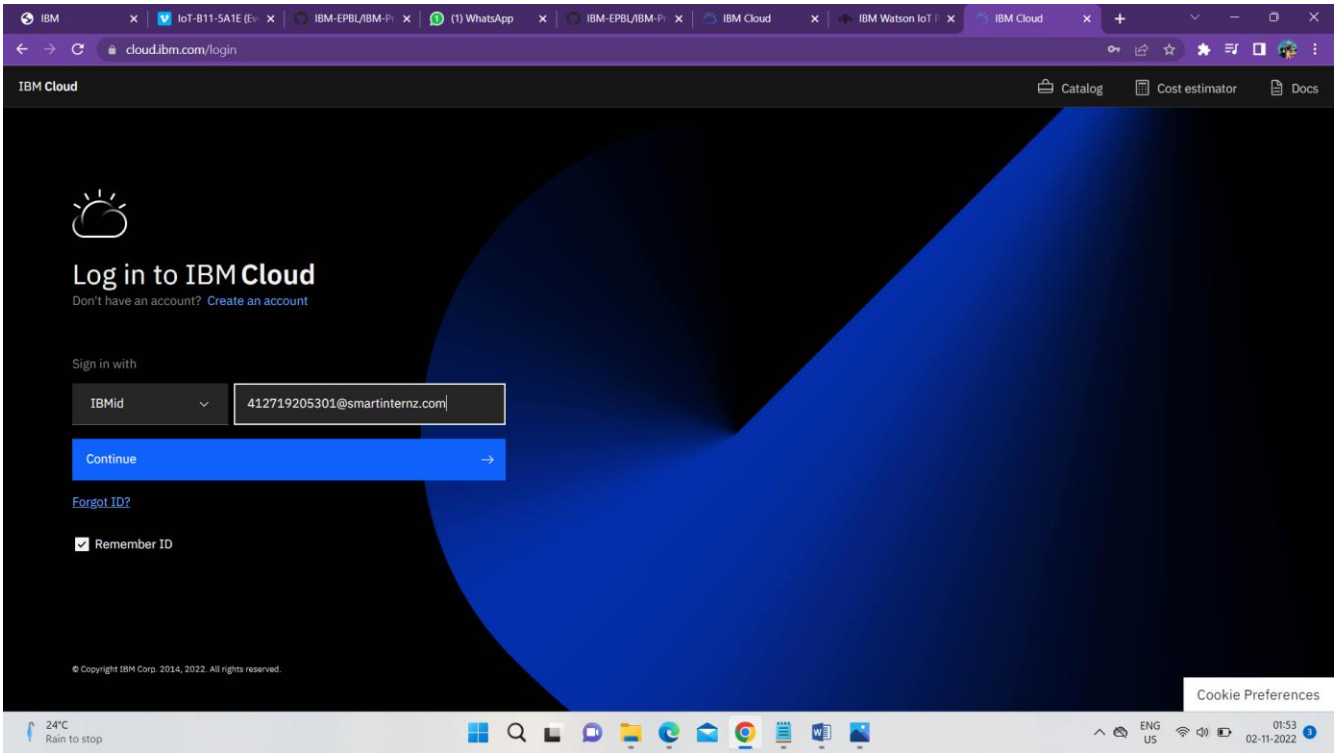
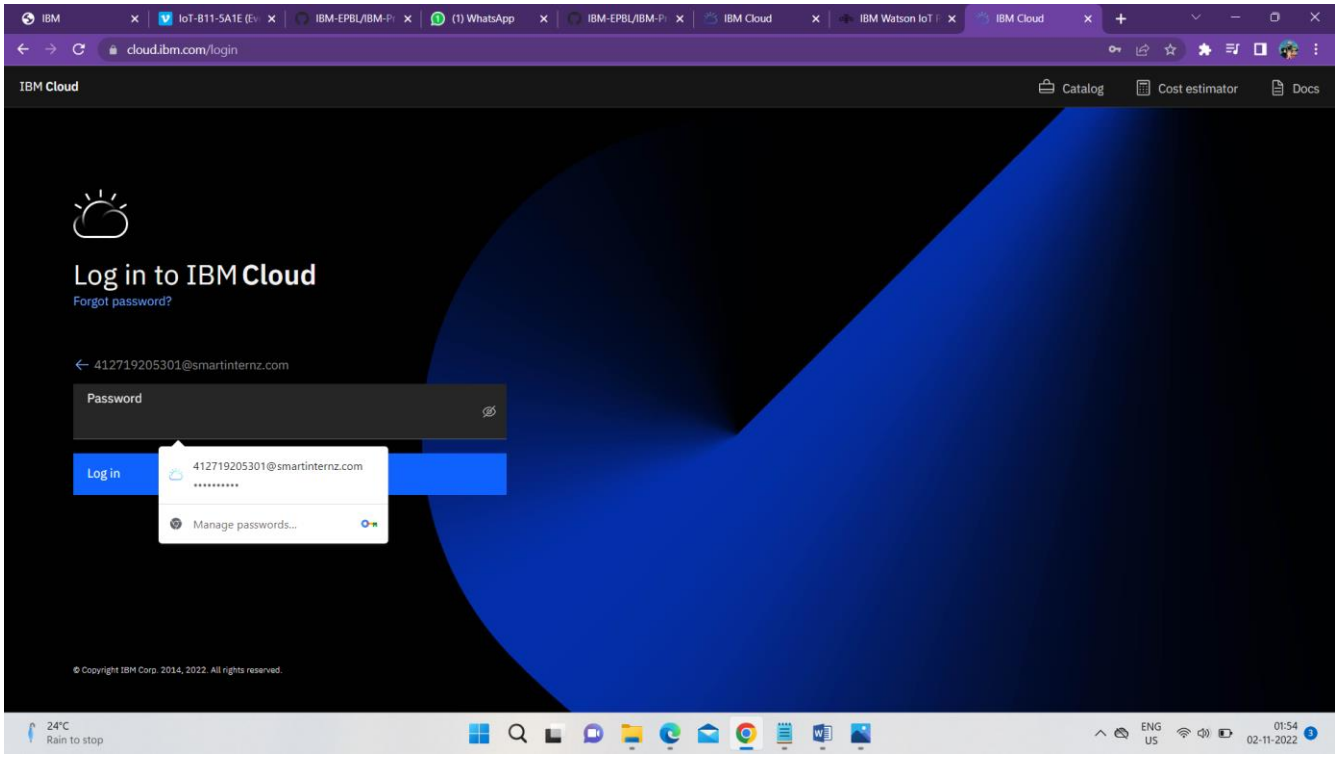
CREATE IBM WATSON IOT PLATFORM AND DEVICE

Date	**02-11-2022**
Team ID	**PNT2022TMID38406**
Project Name	**Project - IOT based safety gadget for child safety monitoring and notification**
Maximum Marks	**4 Marks**

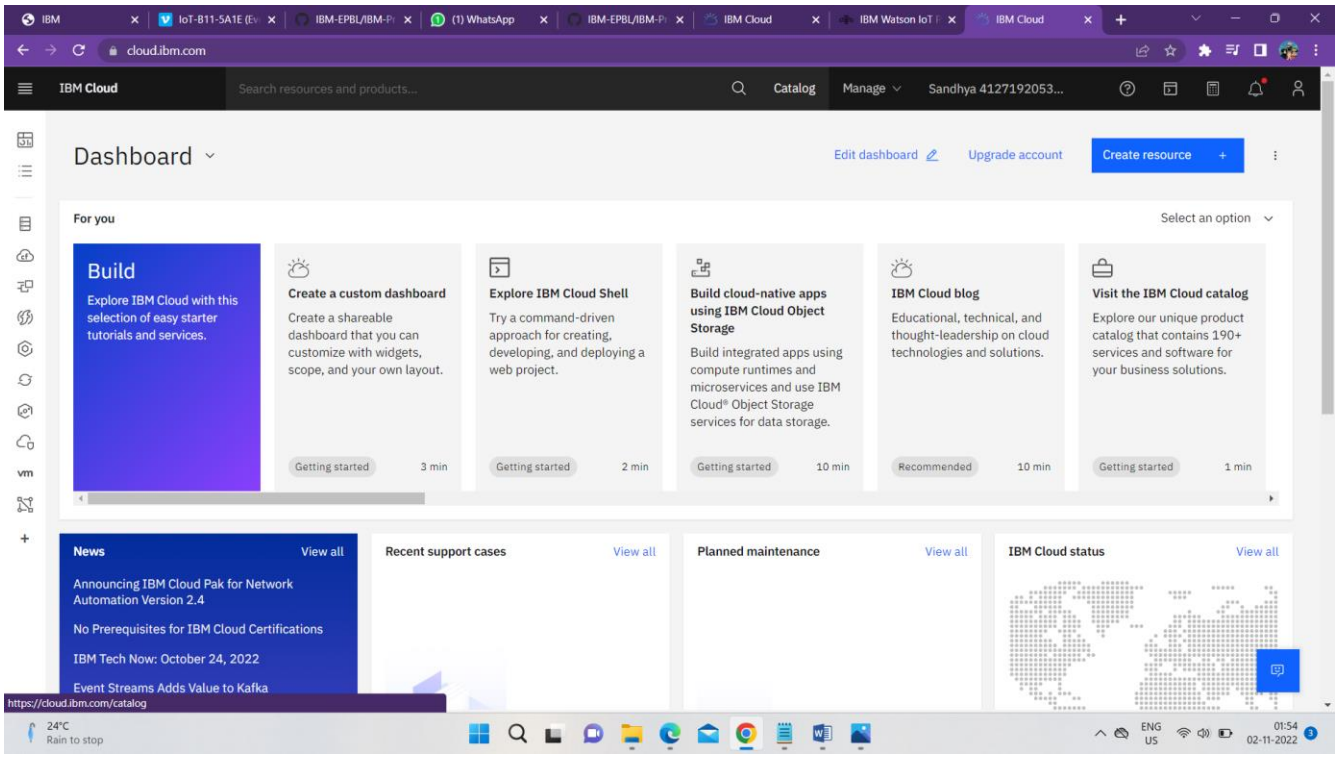
STEPS:

1. Firstly create an IBM cloud account with IBM id and password.

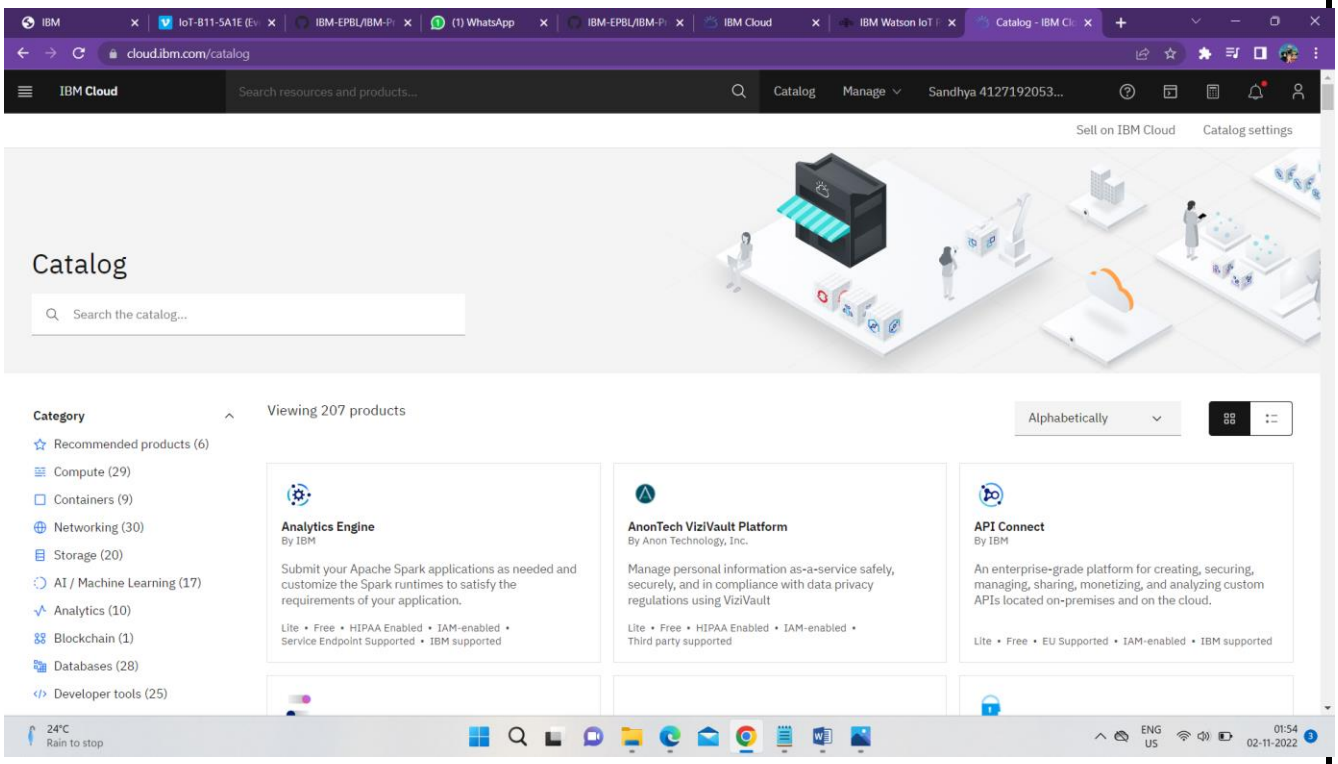




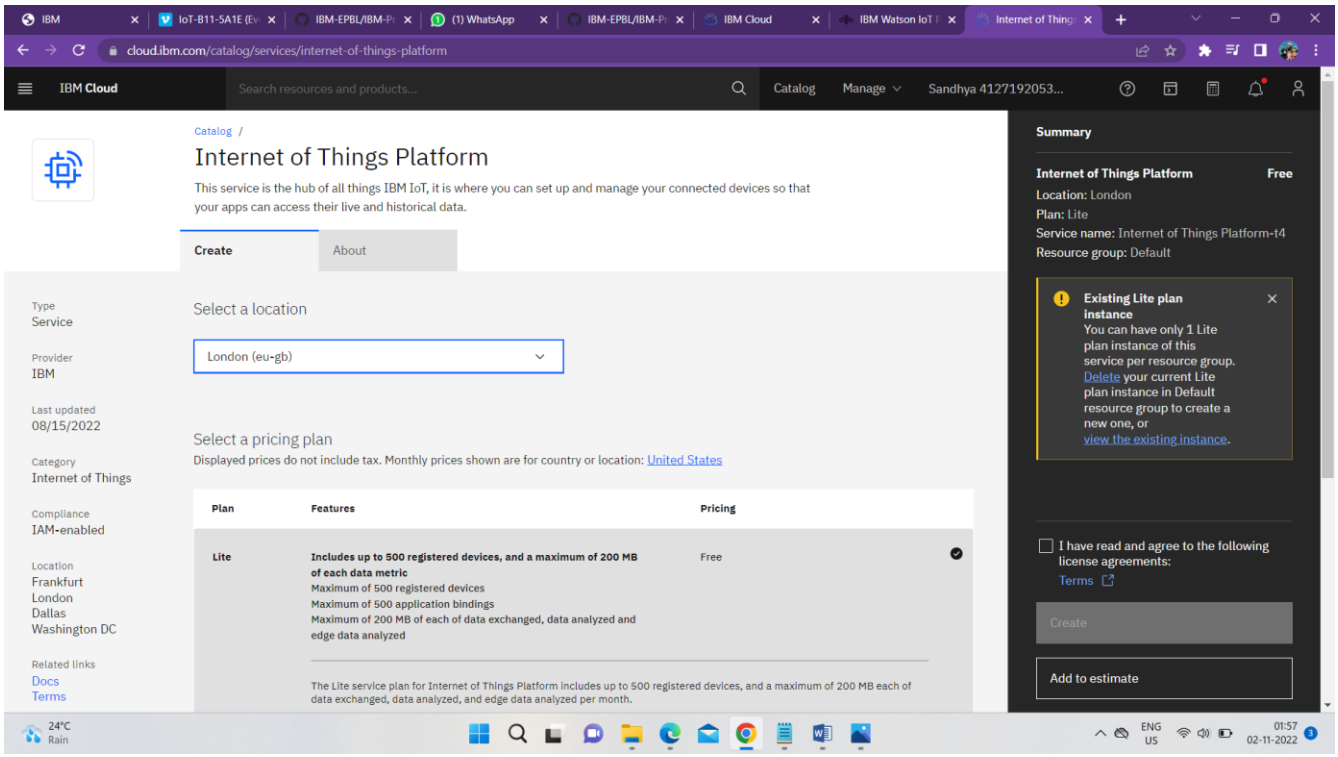
2. Home page of IBM cloud



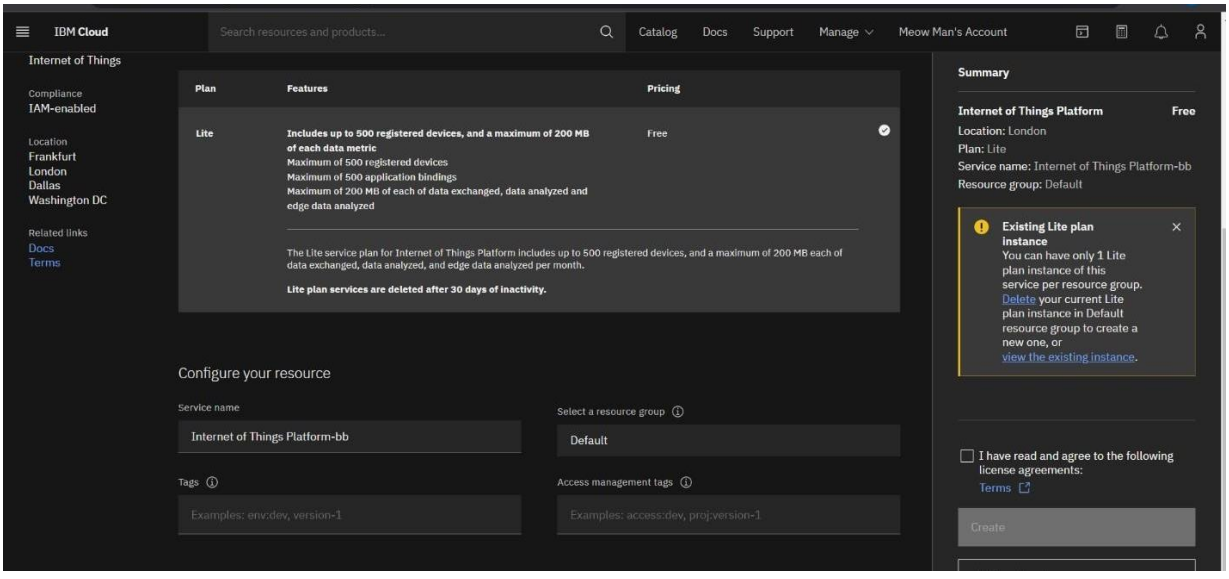
3. Click on the catalog on the top



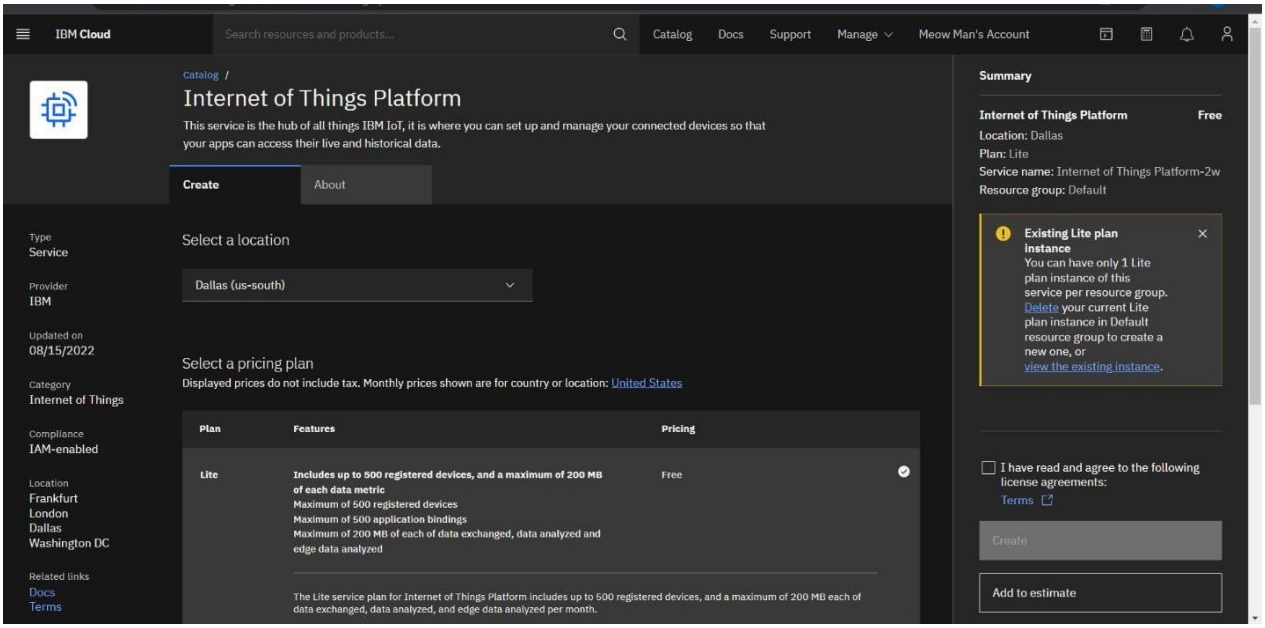
Click on IoT in the category mentioned in it

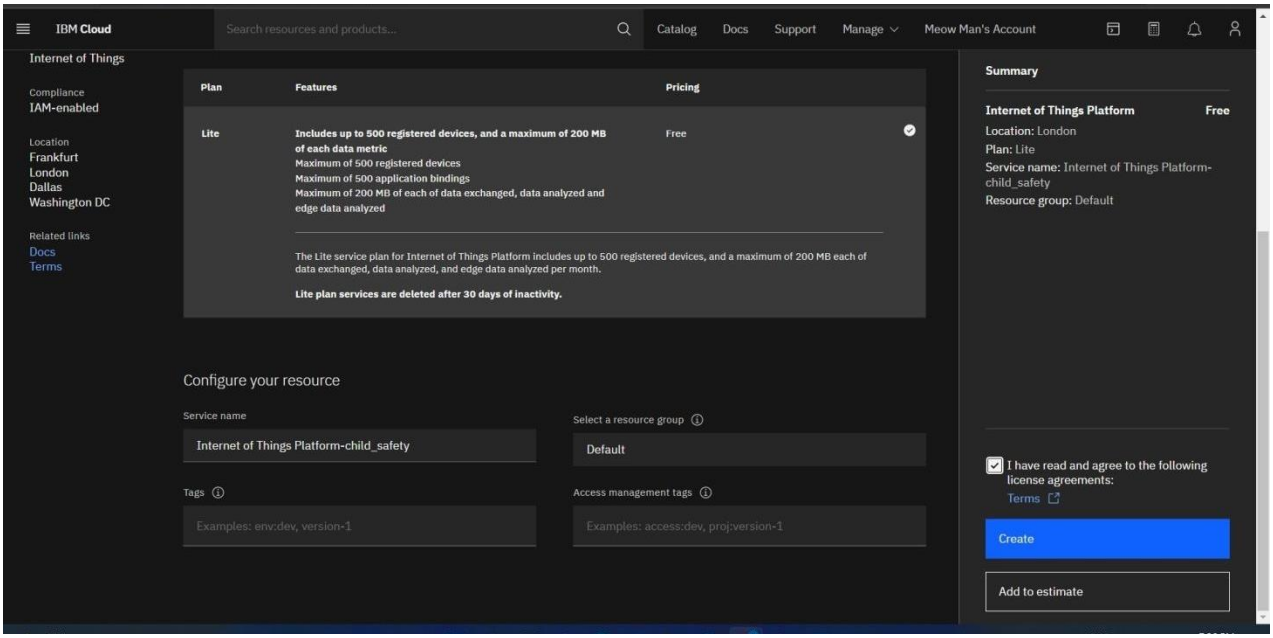


4. If already a lite is present delete it else you can't create another



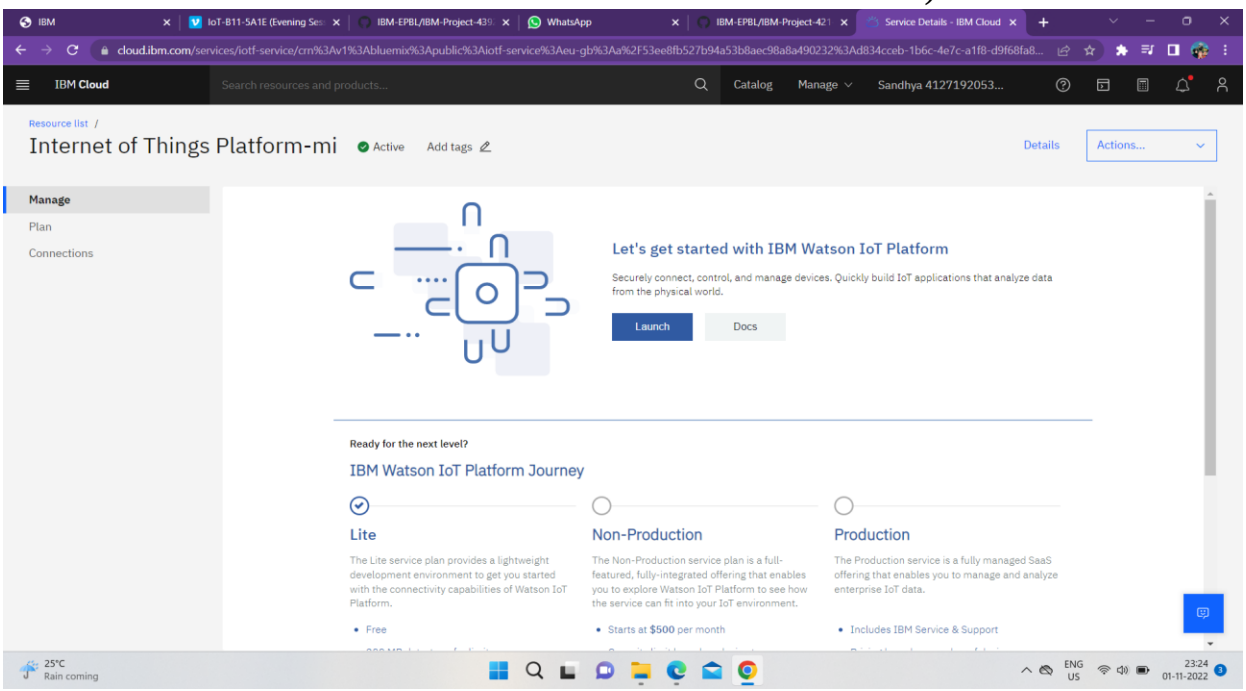
5. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create



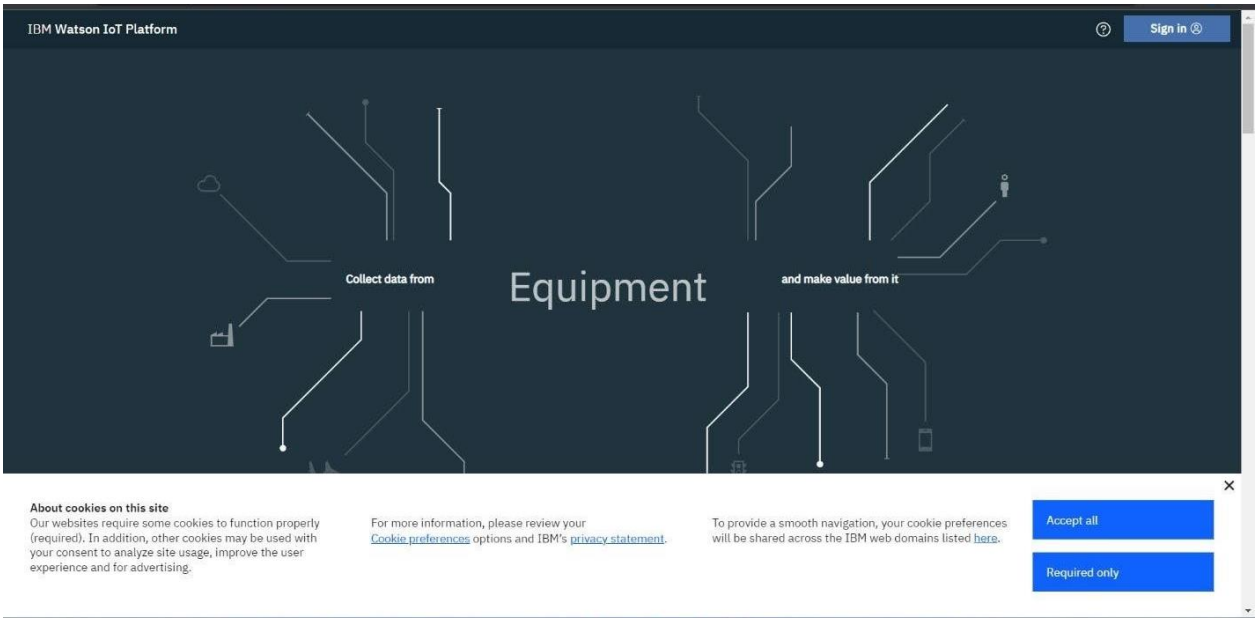


6. Internet of Things Platform Child safety will be created, where there are different options like manage, plan, and connection (manage is for launch,

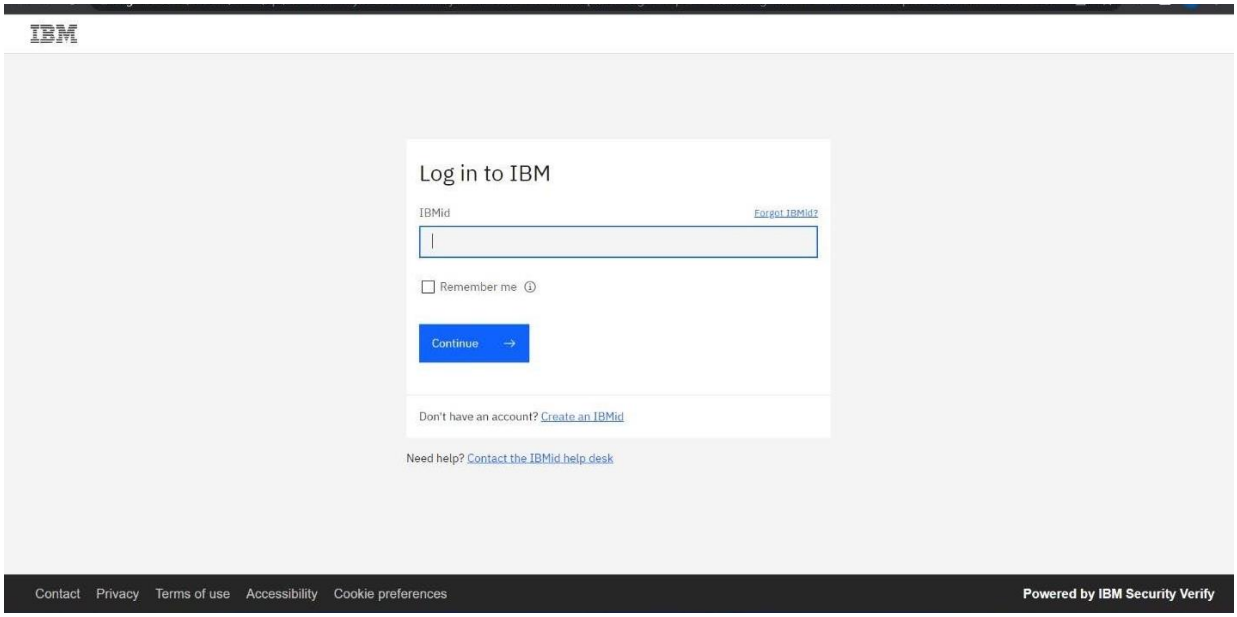
Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services)



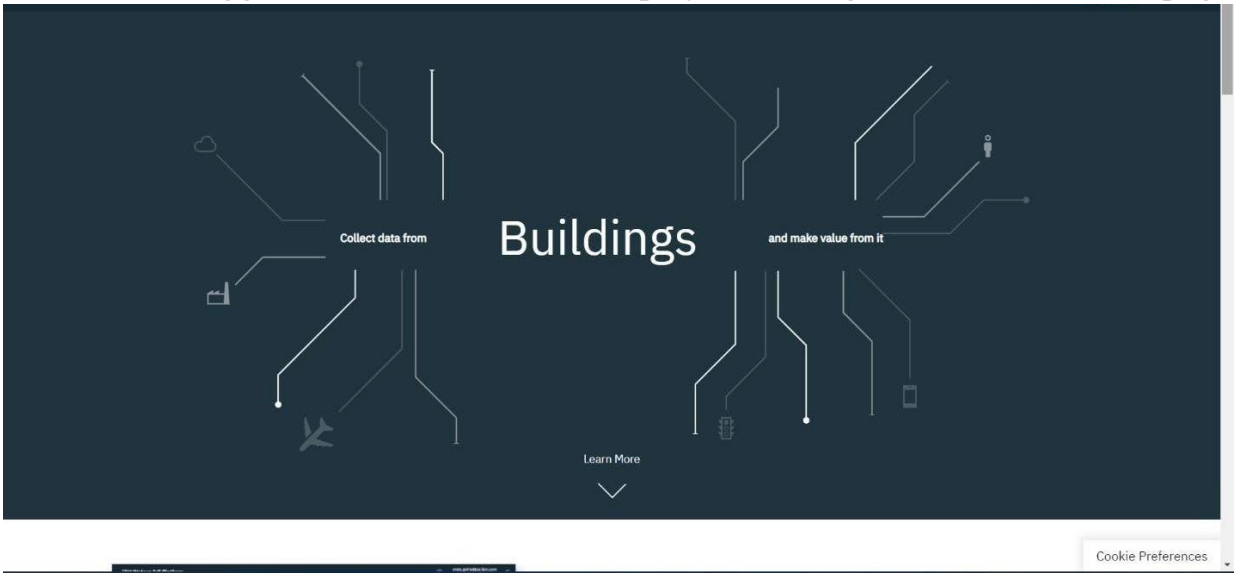
Clicking on the launch button in the manage tab, it will open to this



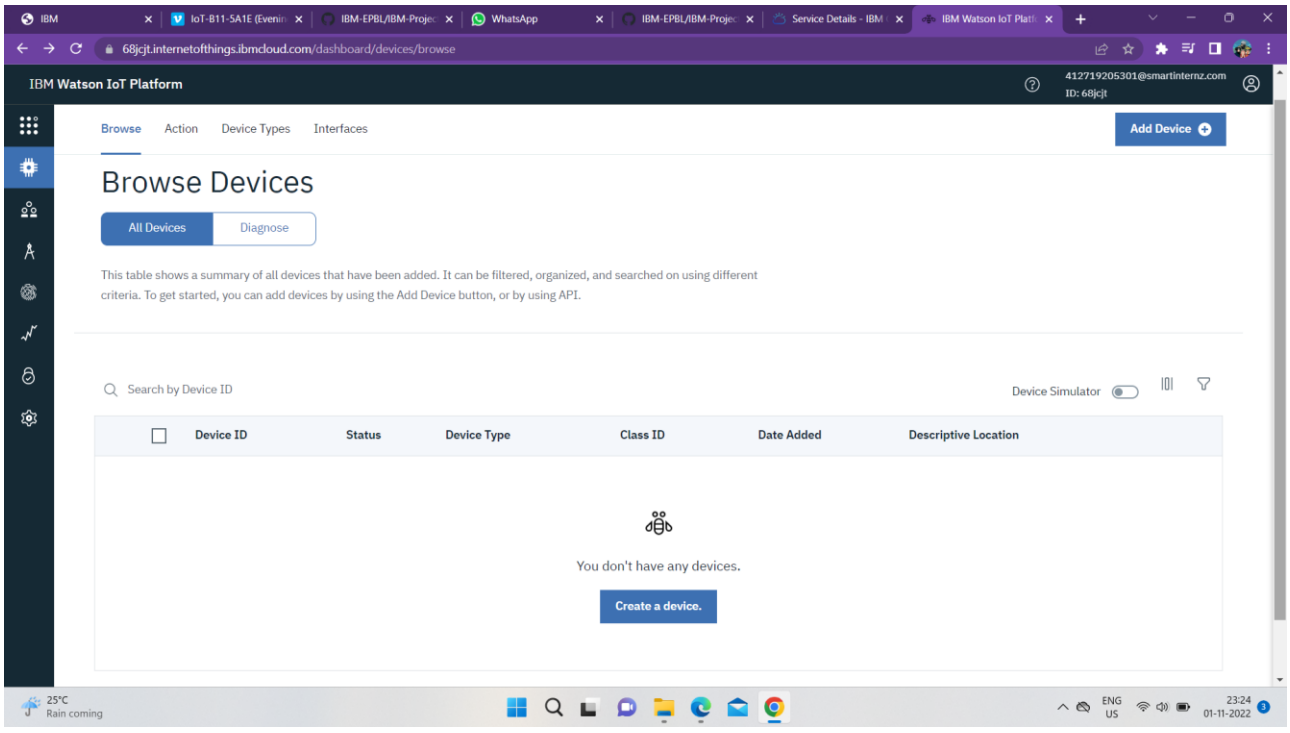
8. Enter the details to sign in to the Watson Cloud to create a device


IBM
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
Contact
Privacy
Terms of use
Accessibility
Cookie preferences
Powered by IBM Security Verify

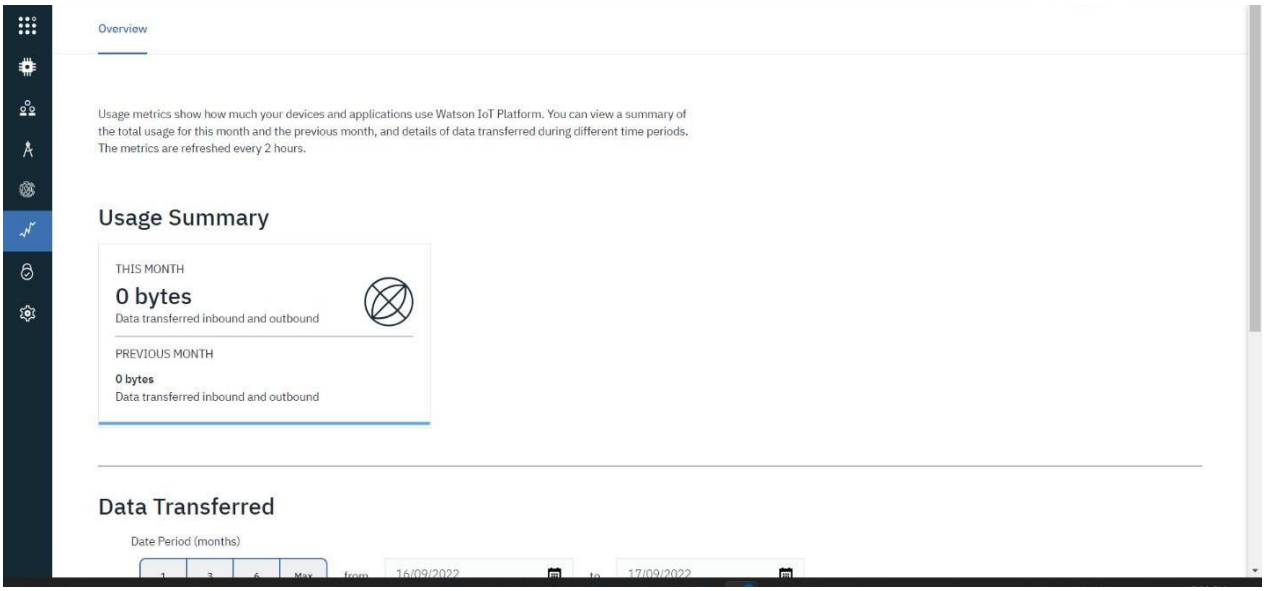
9. Once logged in the name will be displayed and it goes back to the first page



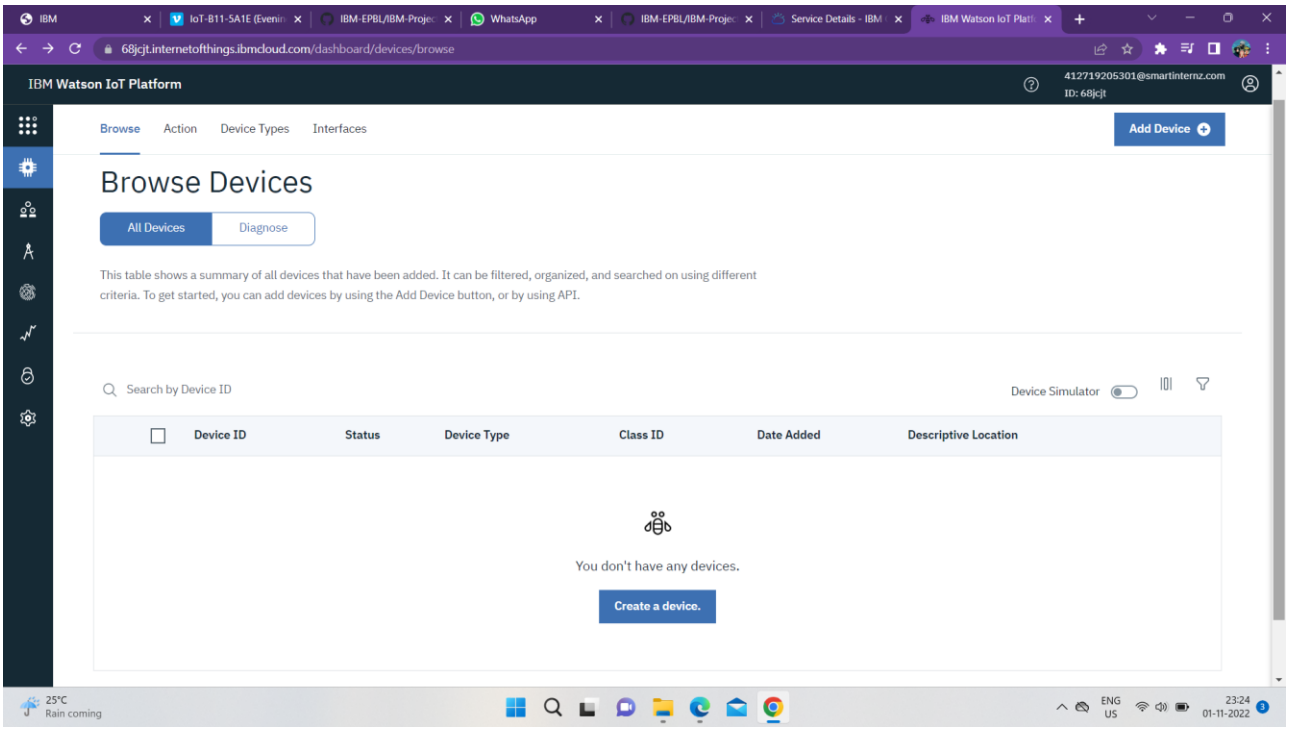
10. And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display of details of the devices

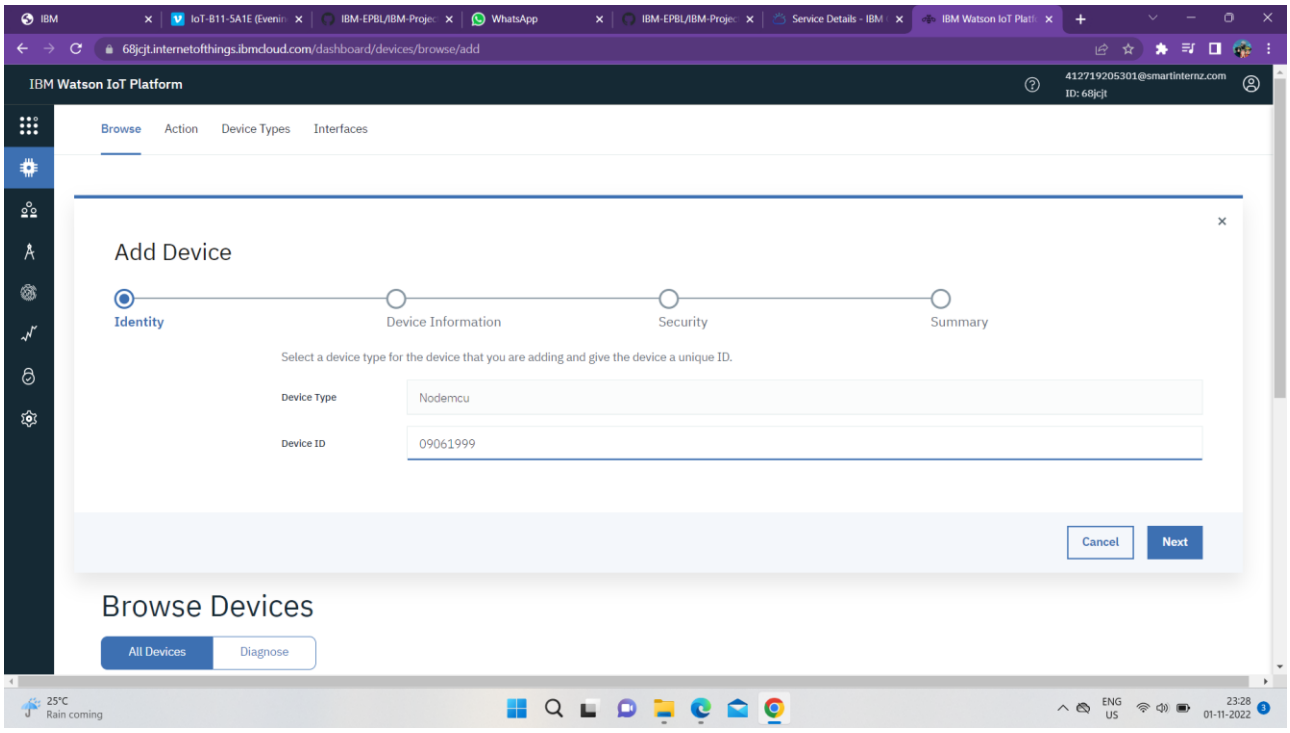


11. Usage gives the summary of how many bytes are used between the devices and the IBM cloud.

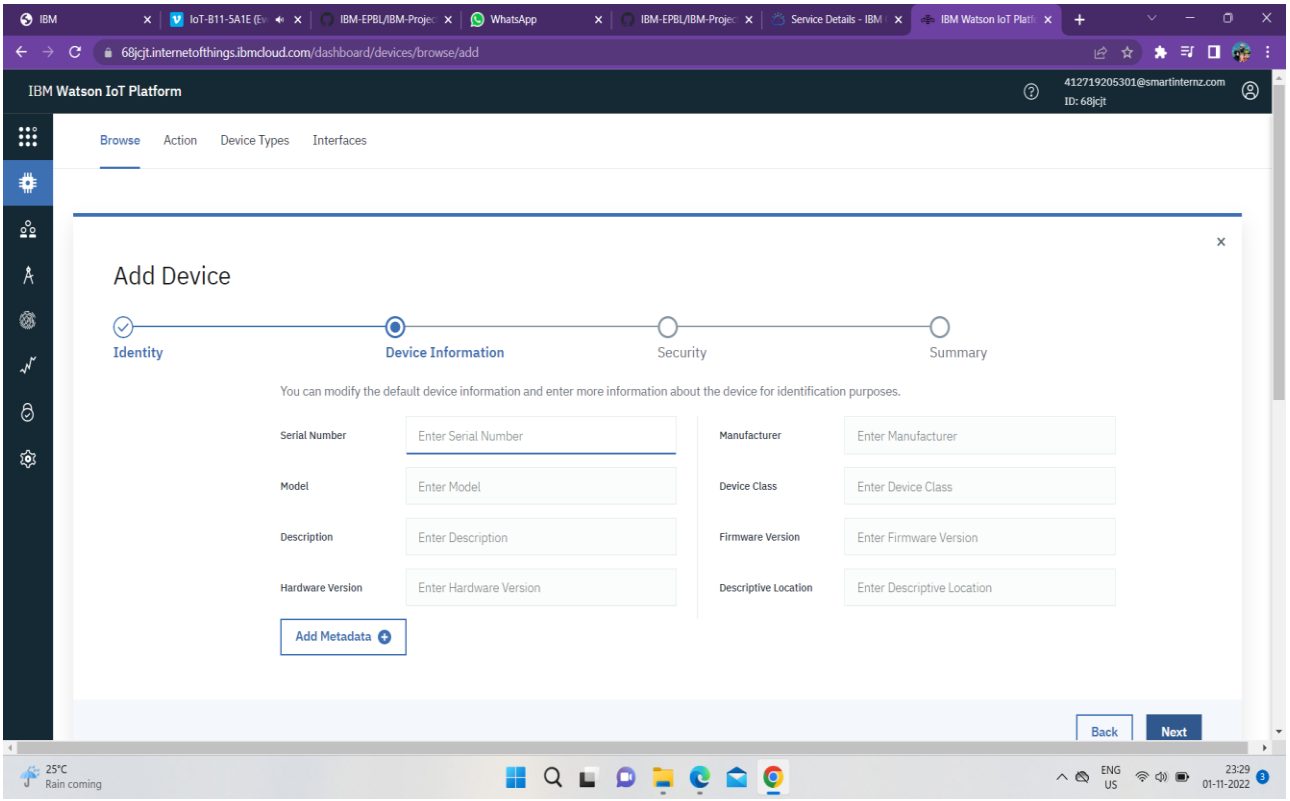


12. Click on the device tab and click on the add device button, then give the device type and device id and click next

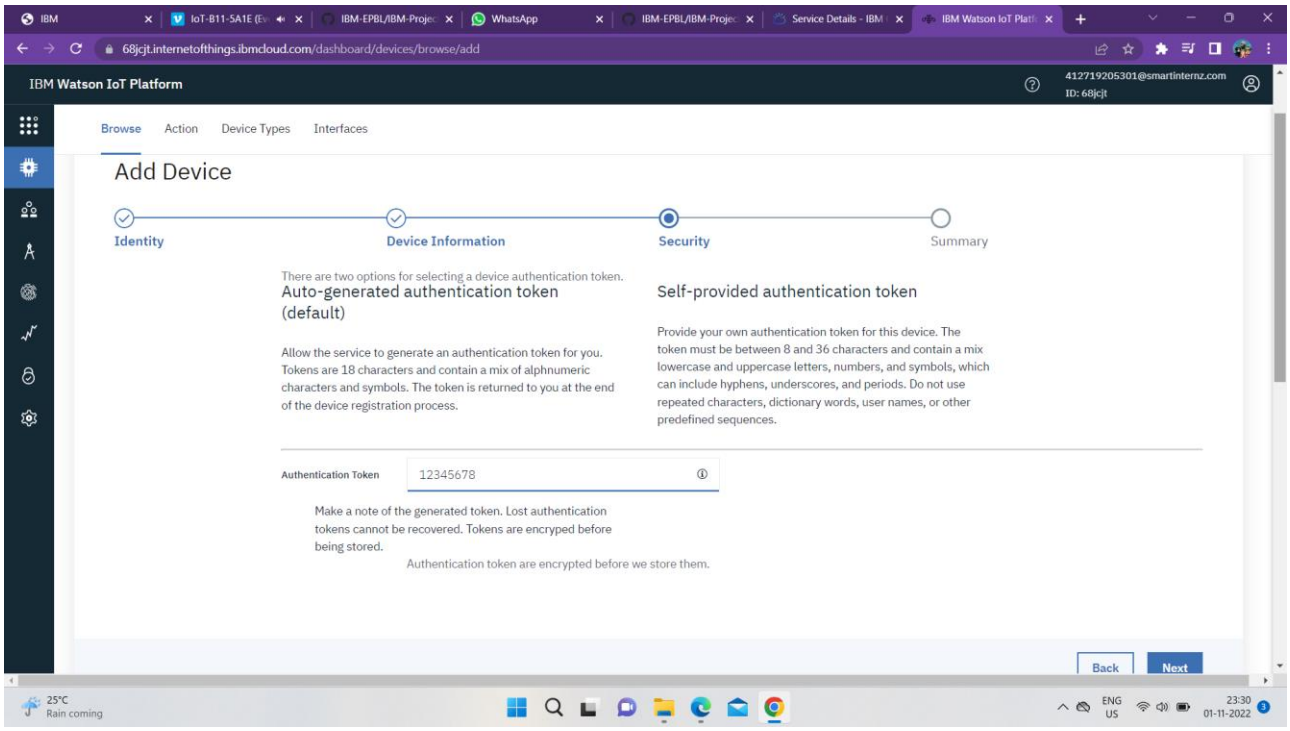

IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
Add Device
Browse Devices
All Devices
Diagnose
This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.
Search by Device ID
Device Simulator
Device ID
Status
Device Type
Class ID
Date Added
Descriptive Location
You don't have any devices.
Create a device.


IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
Add Device
Identity
Device Information
Security
Summary
Select a device type for the device that you are adding and give the device a unique ID.
Device Type
Nodemcu
Device ID
09061999
Cancel
Next
Browse Devices
All Devices
Diagnose

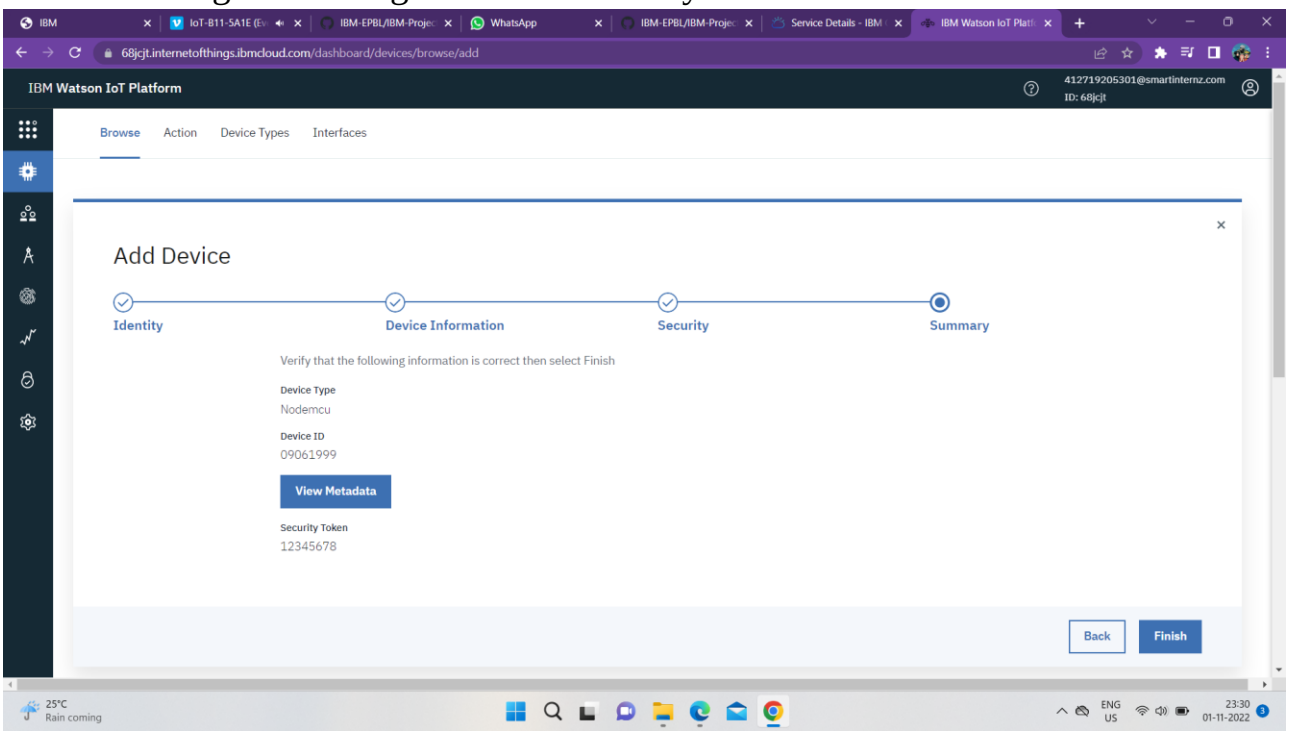
13. This page to enter extra details and of the hardware



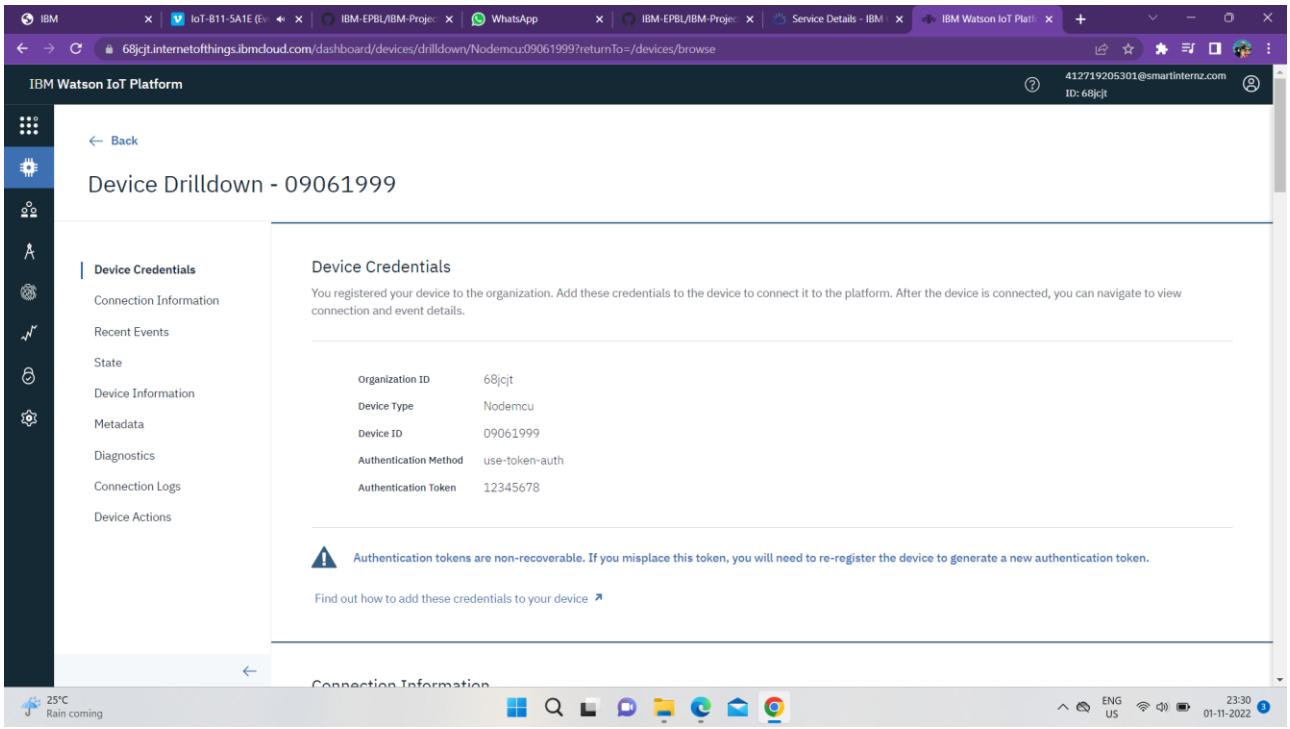
14. Clicking next it goes to the security where we do authentication token id.



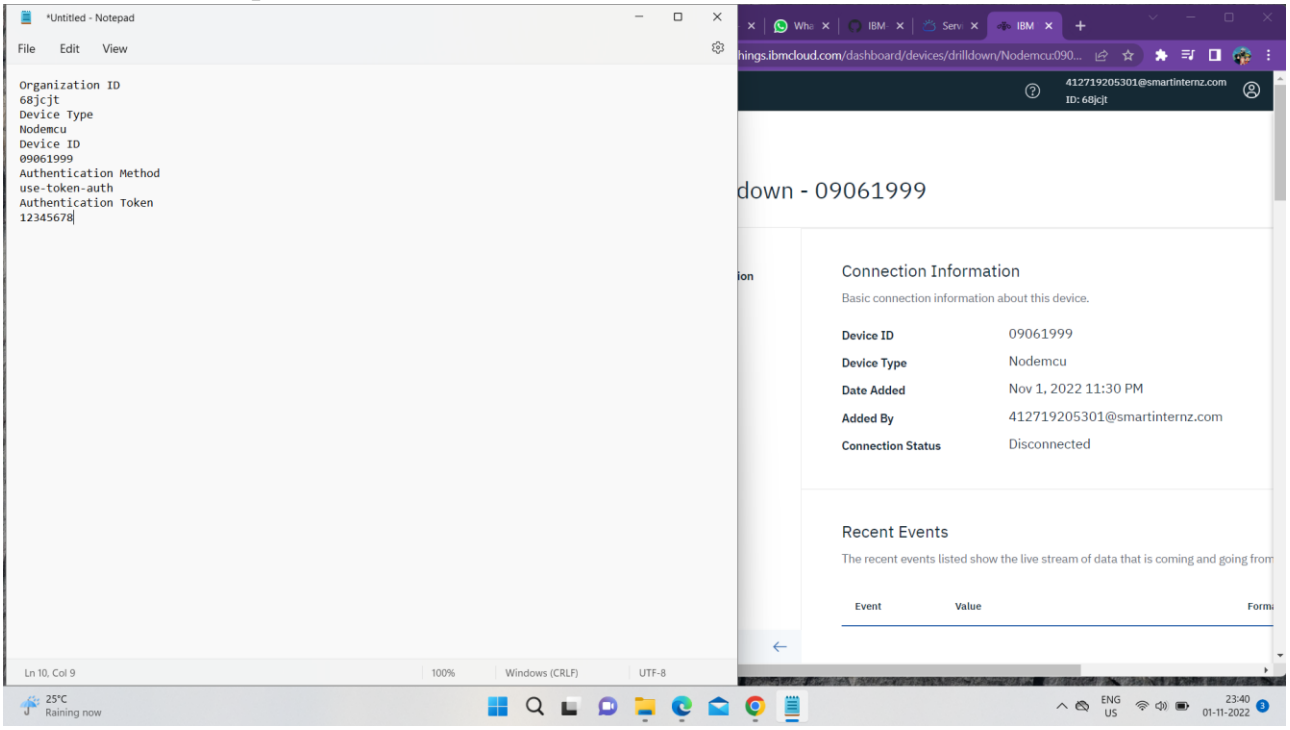
15. Clicking on next it goes to the summary of the device then click finish



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

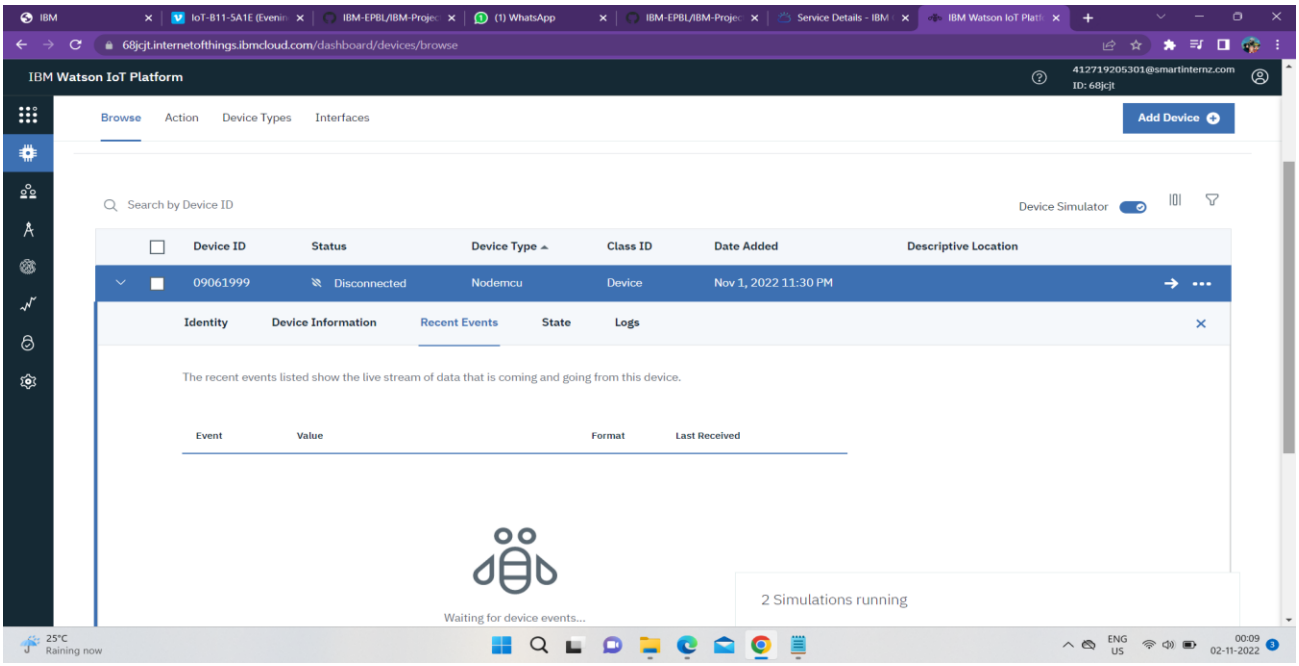


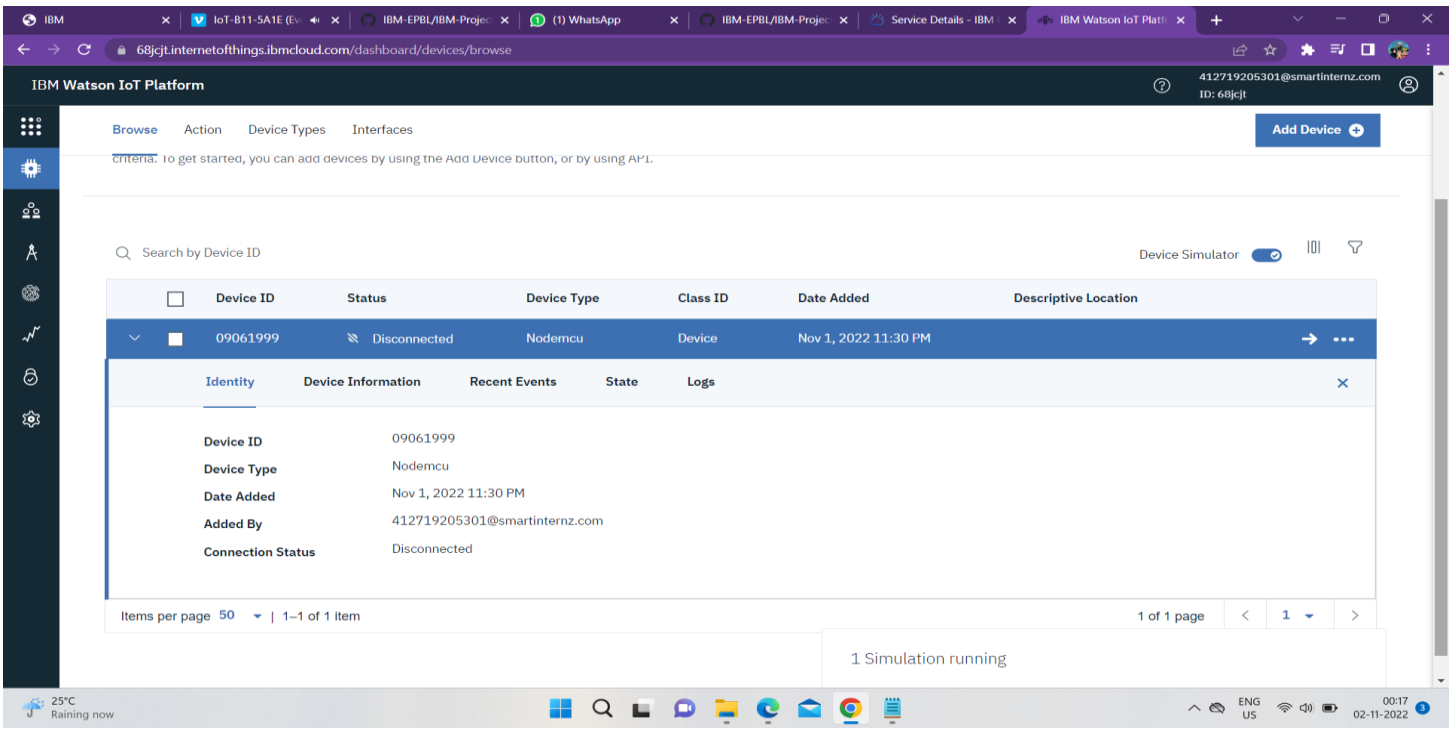
17. Safe the details of the device as the authentication tokens are non- recoverable and if misplaced then we have to create a new one.



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

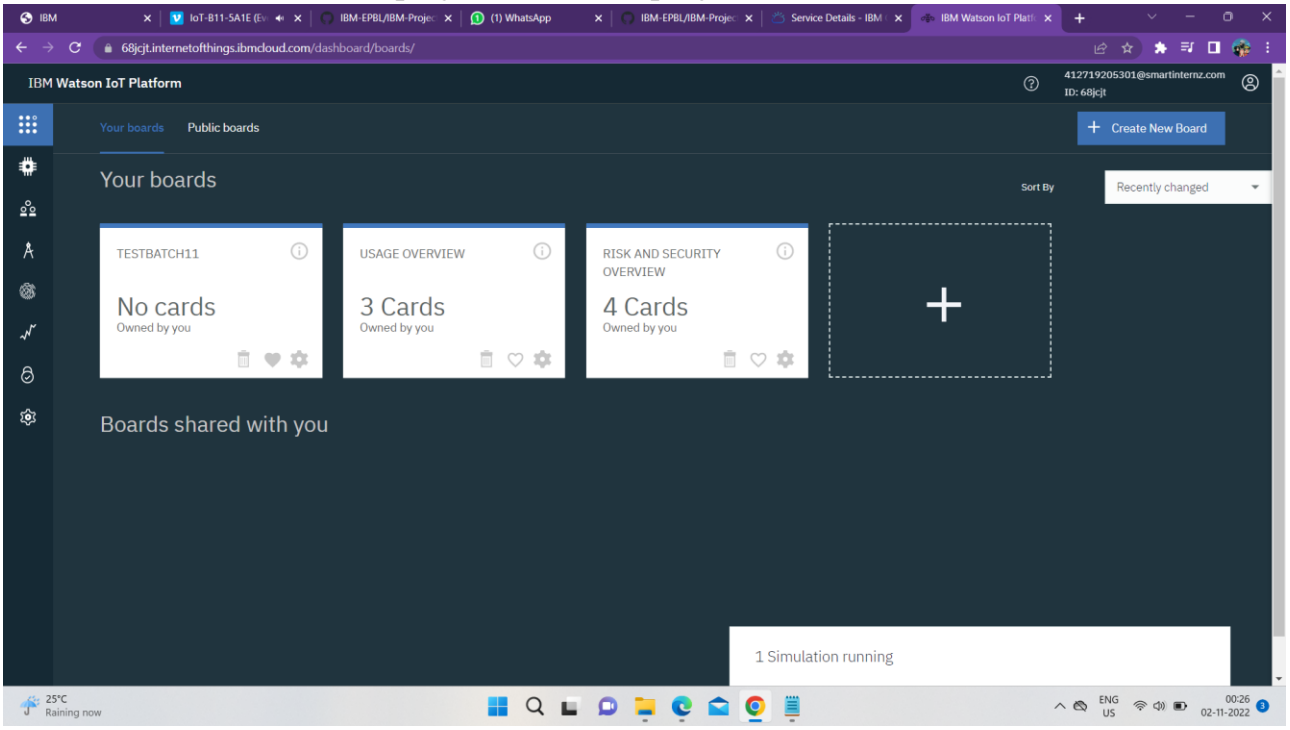
It has different tabs like Identity, Device Information, State and login.

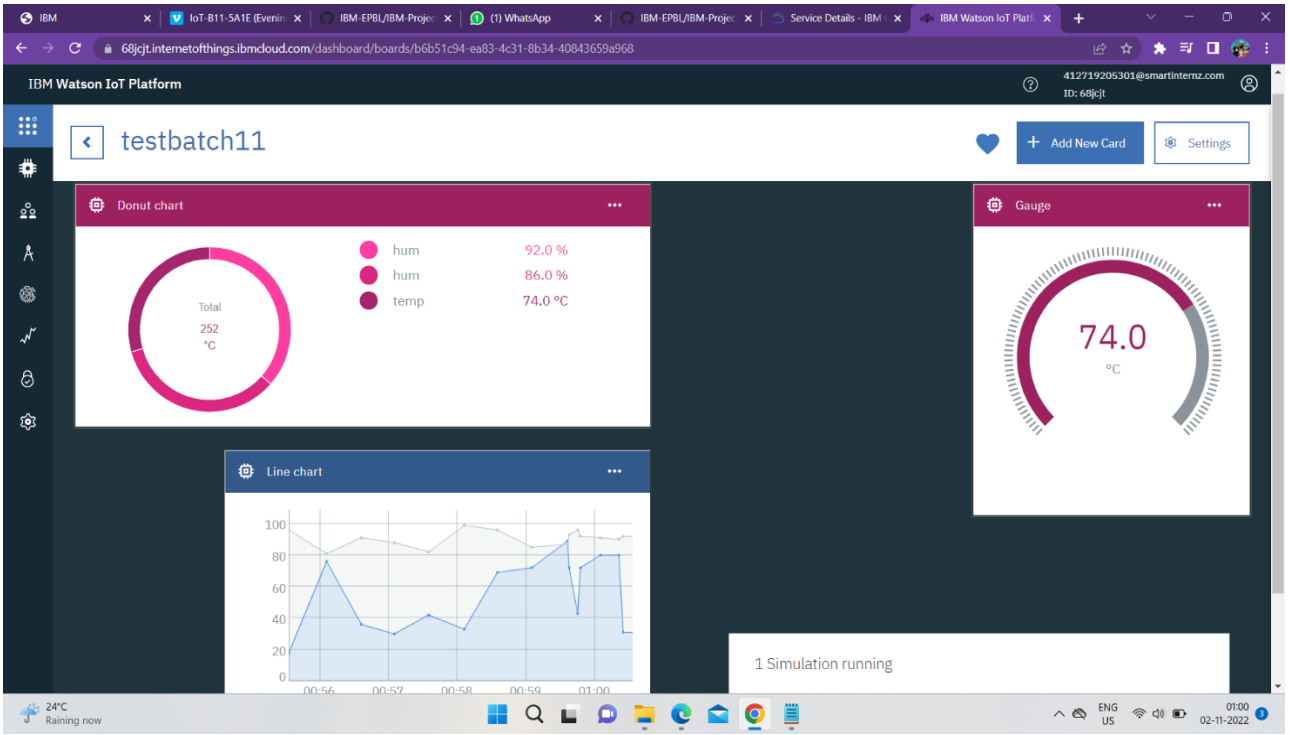




In a similar way, we can create n number of devices with a 50 per page limit as per the requirement of our project.

18. The Boards will display card for the project.





RESULT:

An IBM Watson cloud for IoT and a device is created