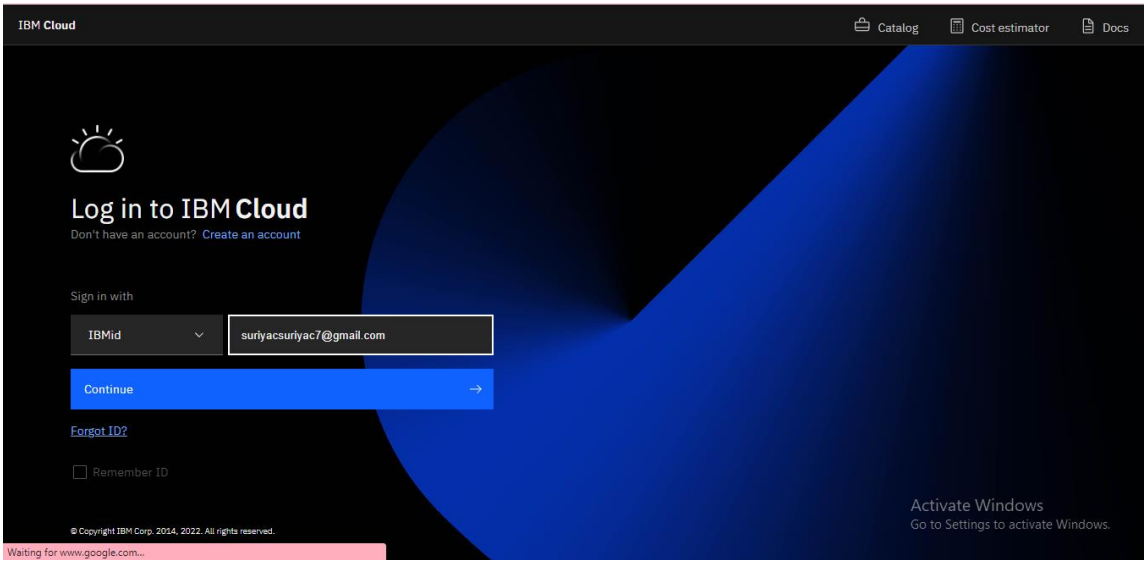
CREATE IBM WATSON IOT PLATFORM AND DEVICE

Team ID	PNT2022TMID46736
Project Name	IOT Based Smart Crop Protection System For Agriculture

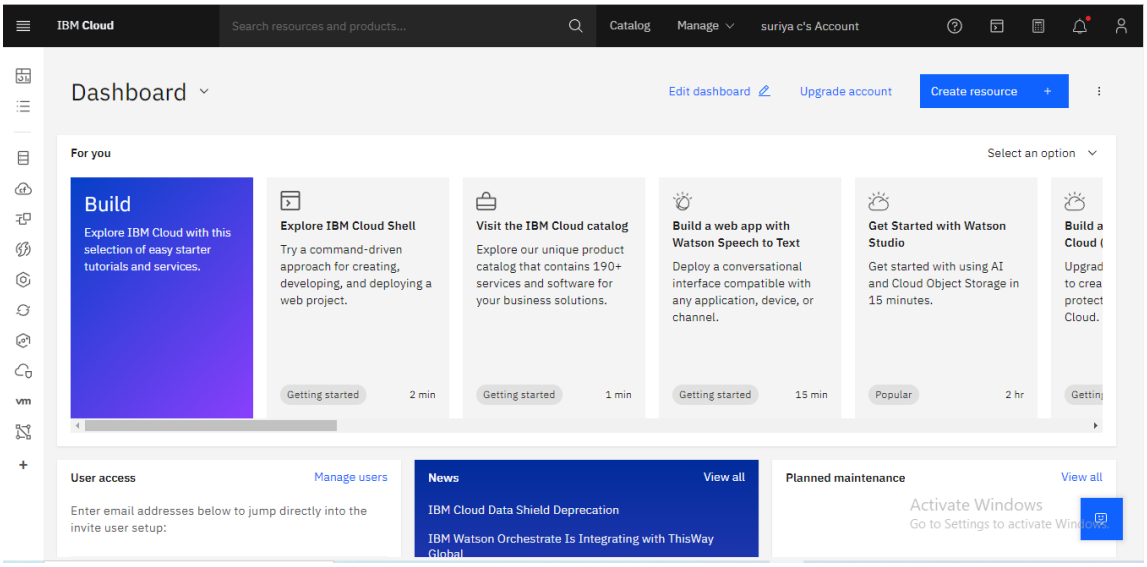
I. To create the IBM Watson IOT platform and device

STEPS:

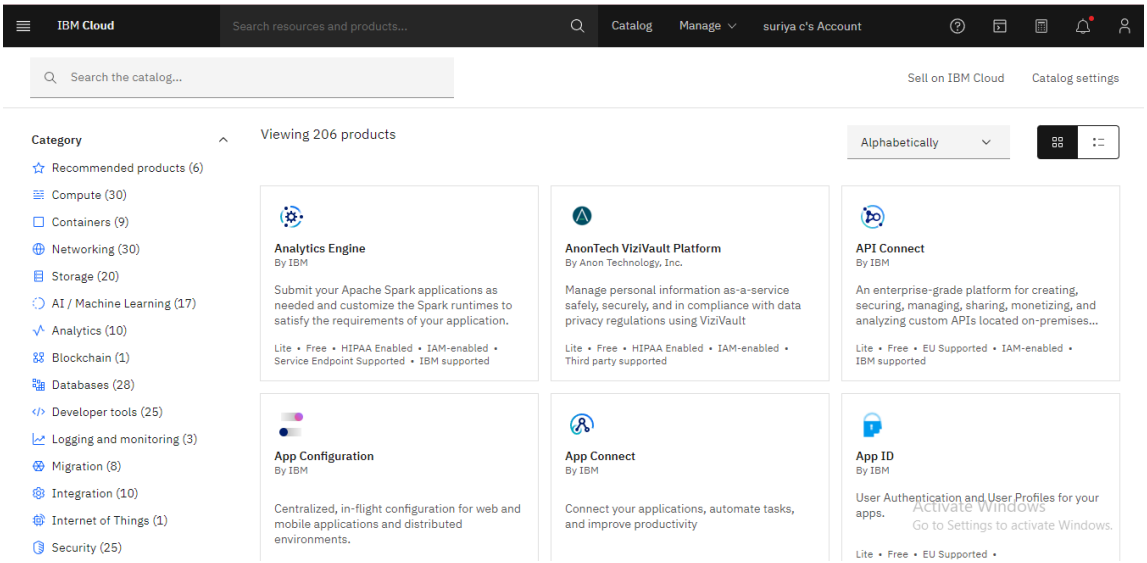
1. create an IBM cloud account with the individual IBM id and password



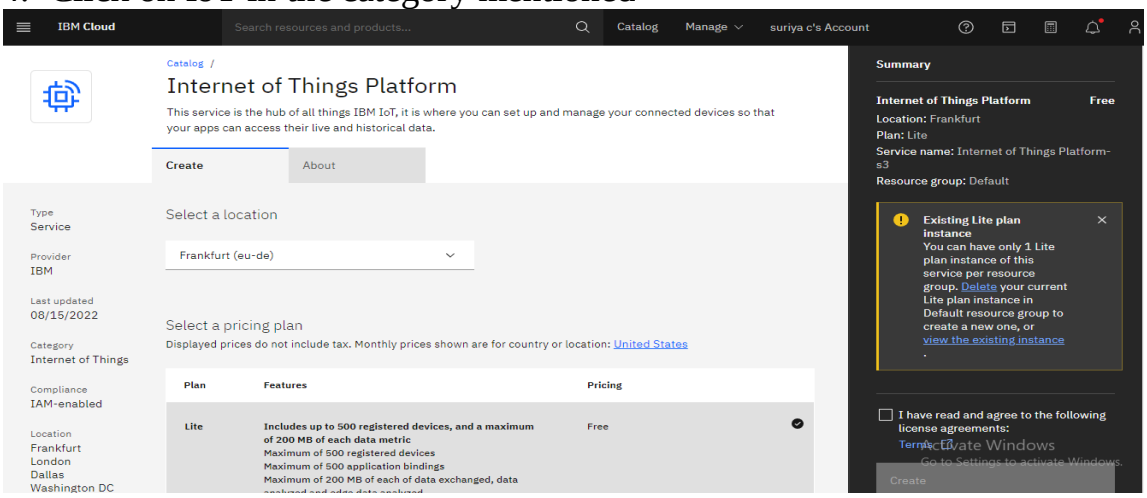
2.Home page of IBM cloud



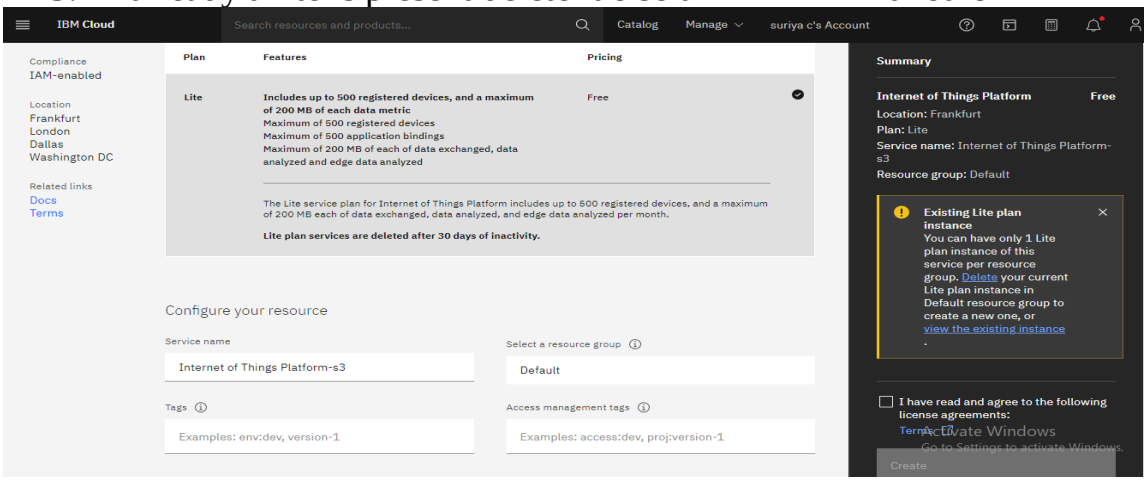
3. Click on the catalog on the top



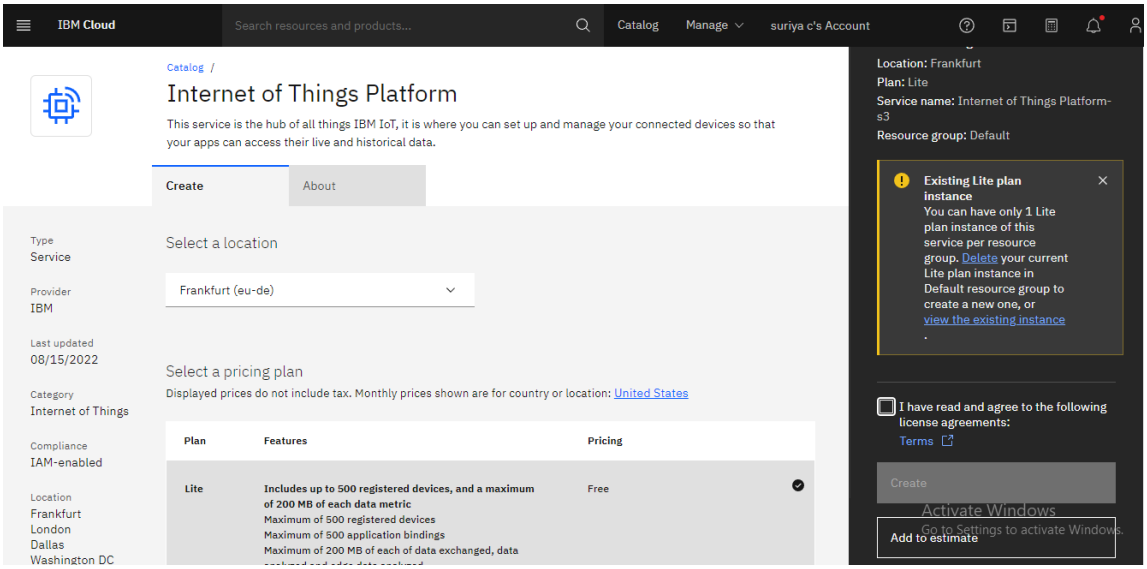
4. Click on IoT in the category mentioned



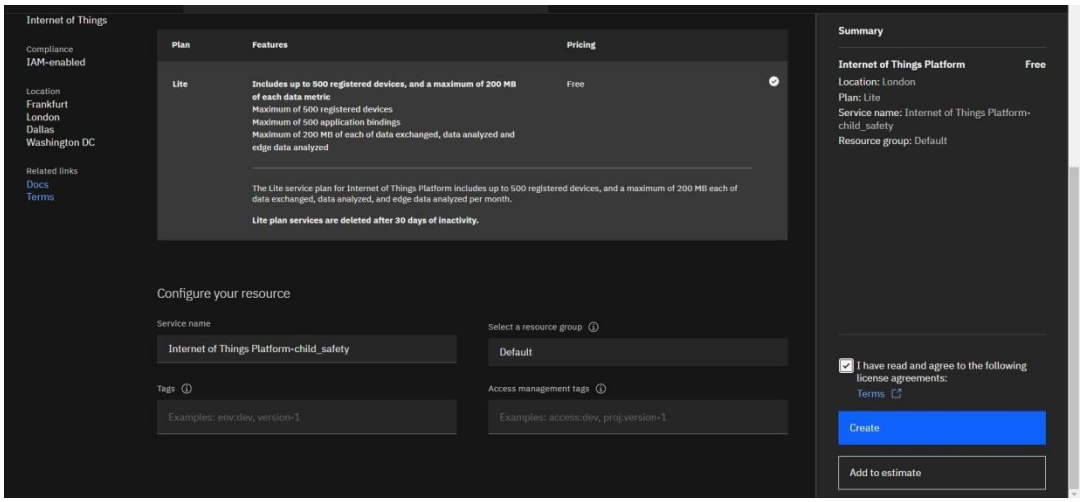
5. If already a lite is present delete it else u can't create another



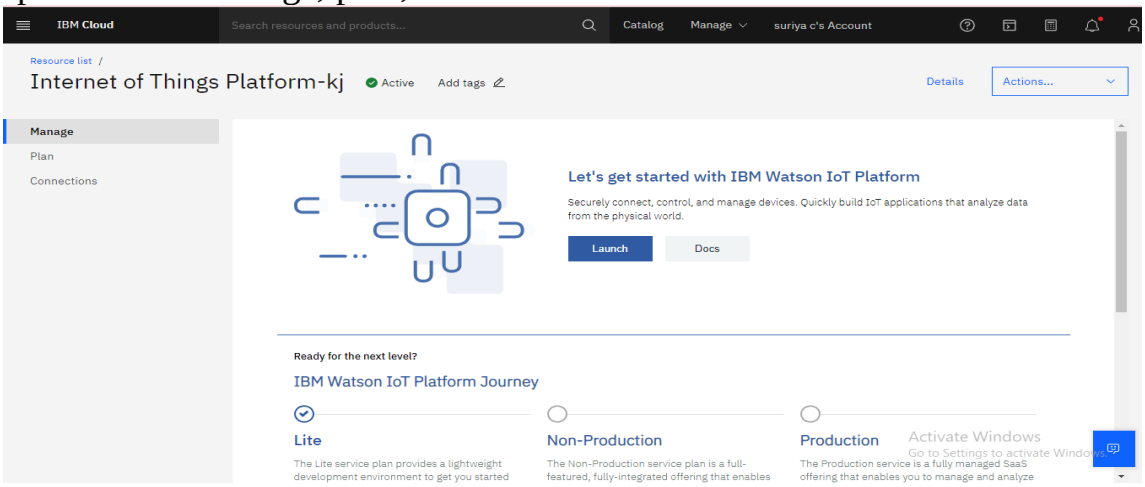
6. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create



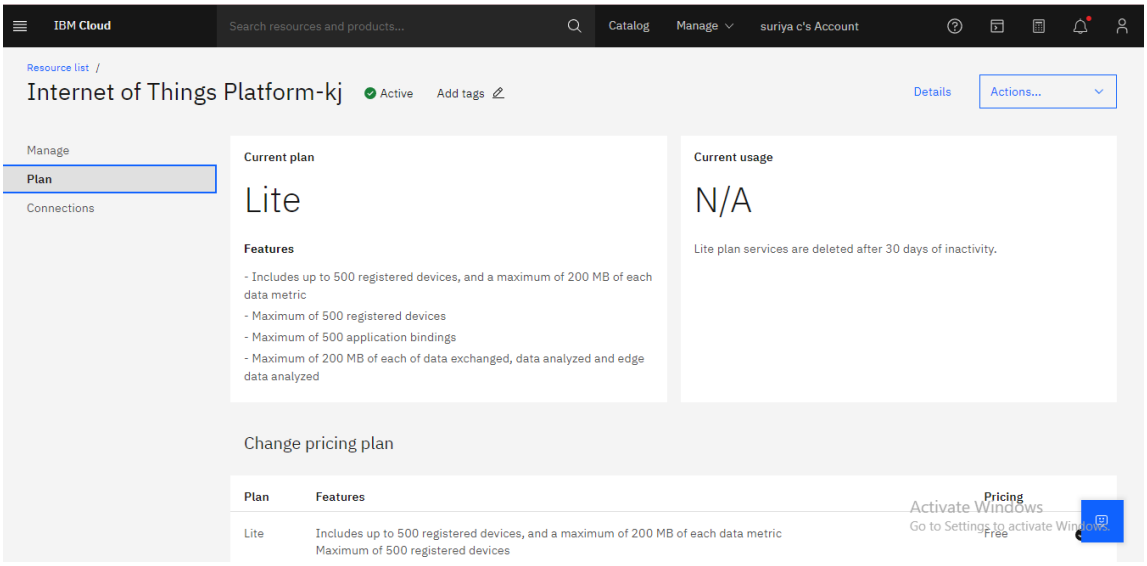
7. Click to Create



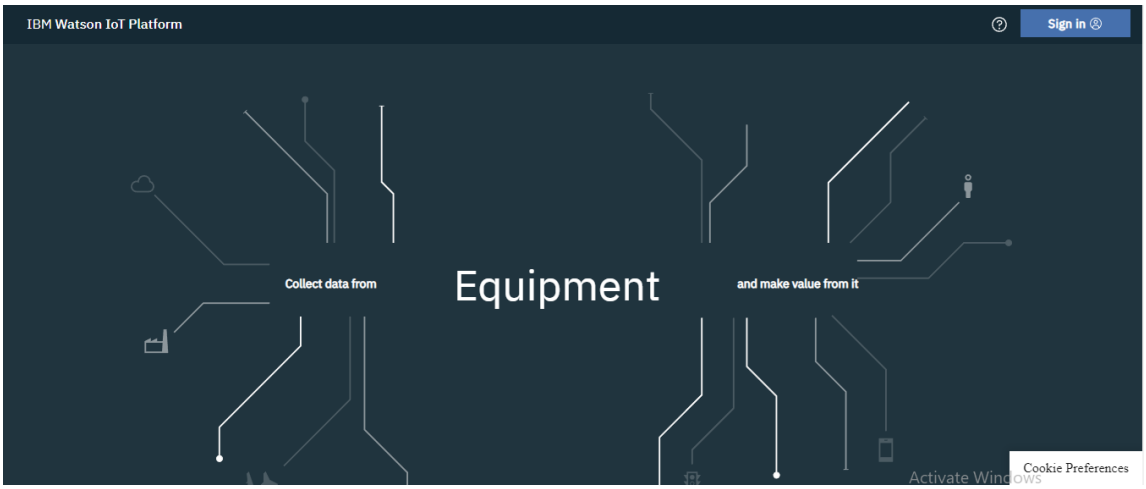
8. Internet of Things Platform will be created, where there are different options like manage, plan, and connection.



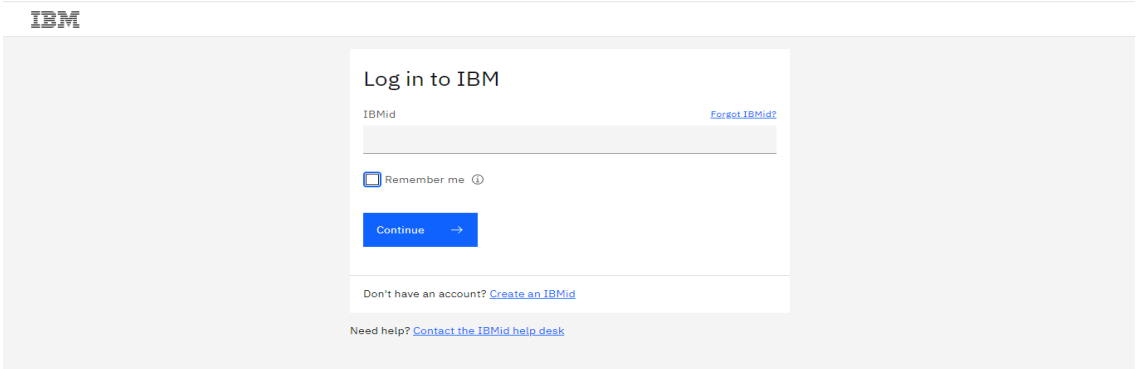
9. Manage for launch, plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IOT with other services.



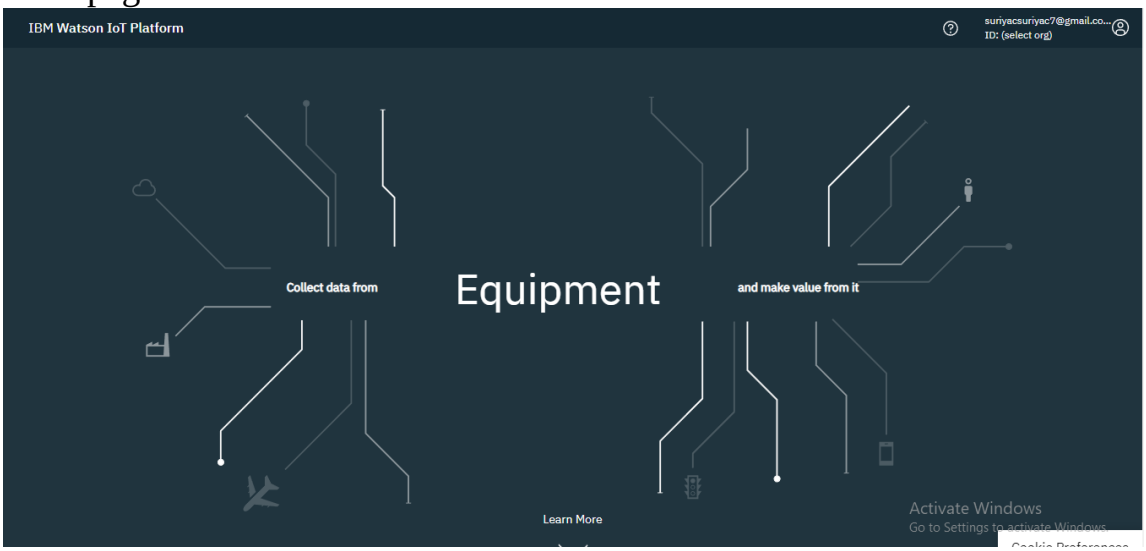
10. Click on the launch button in the manage tab, it will open to this



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



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



13. 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.

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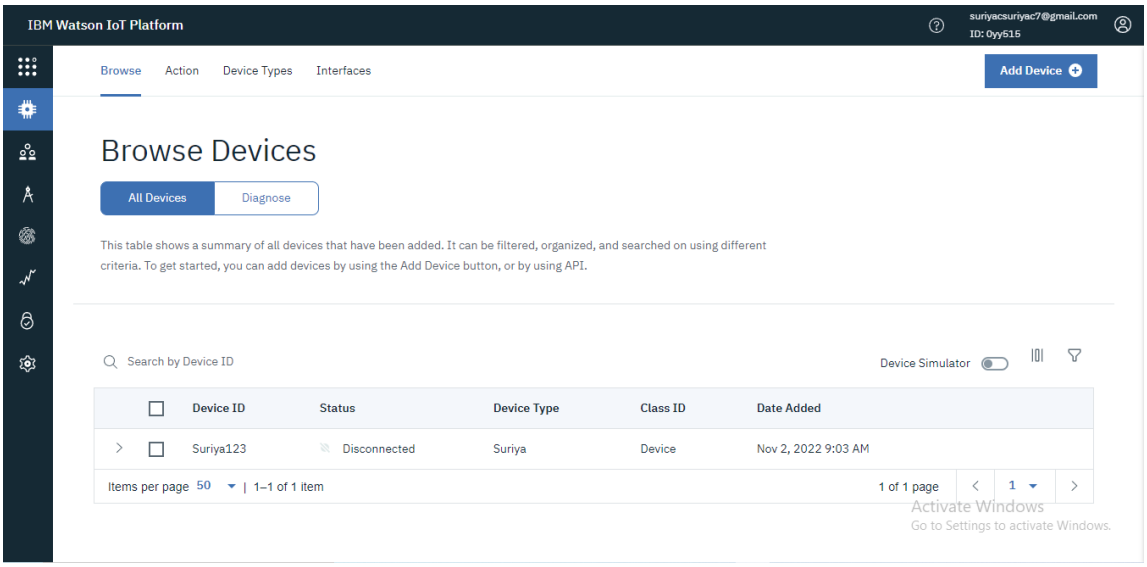
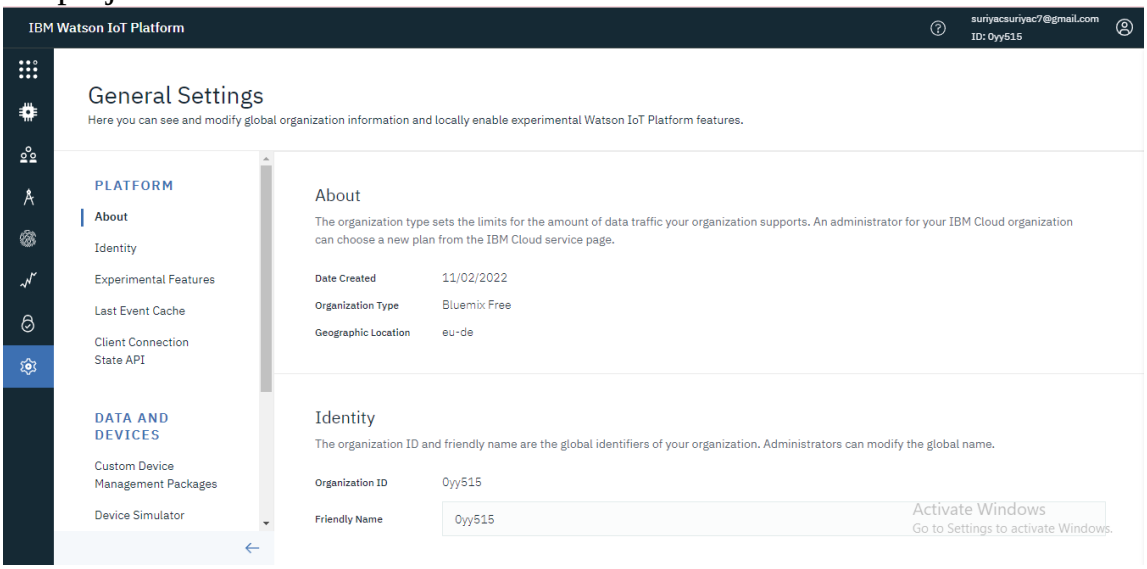
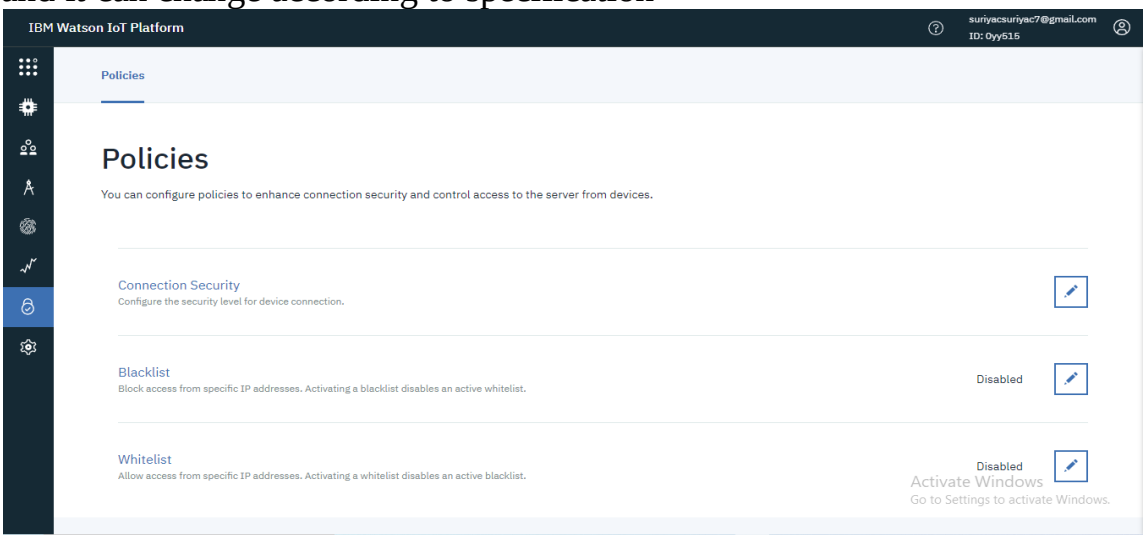


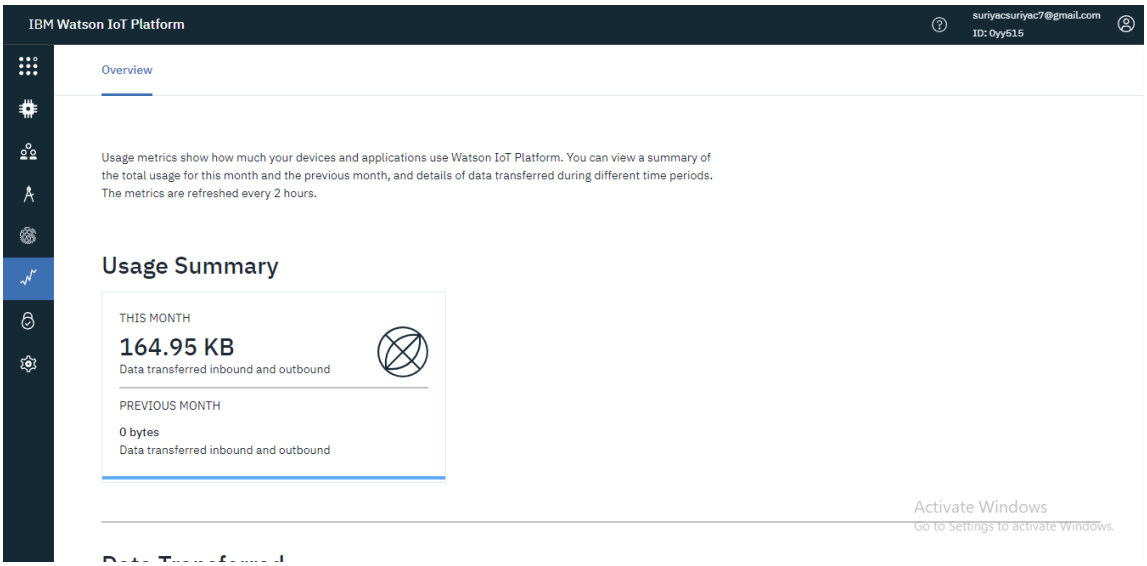
14. The setting tab is used to change the general setting if needed for the project.



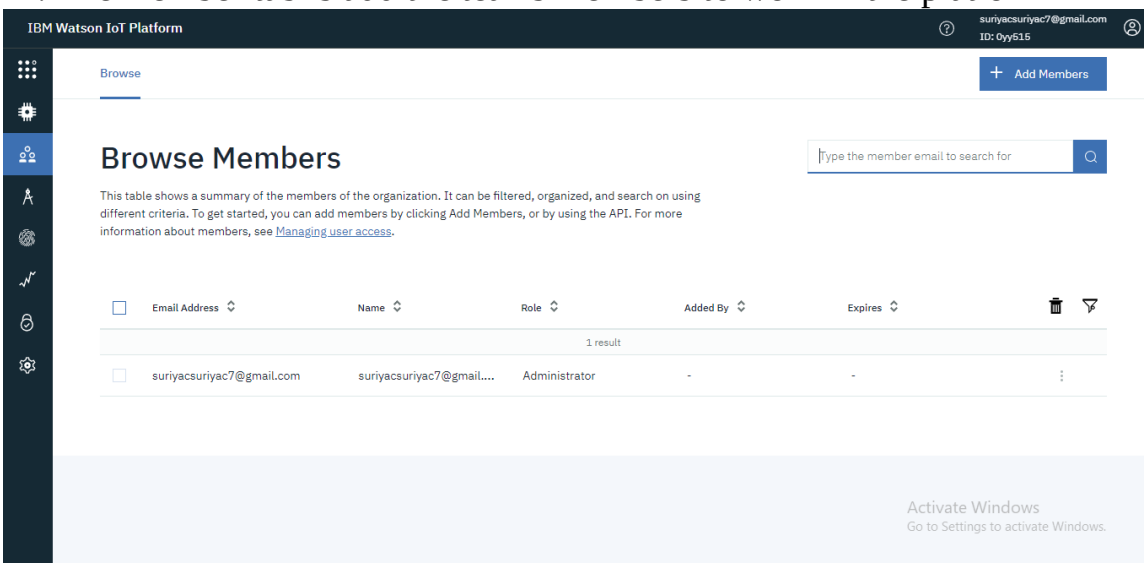
15. In the security tab we can choose the type of security connection and it can change according to specification



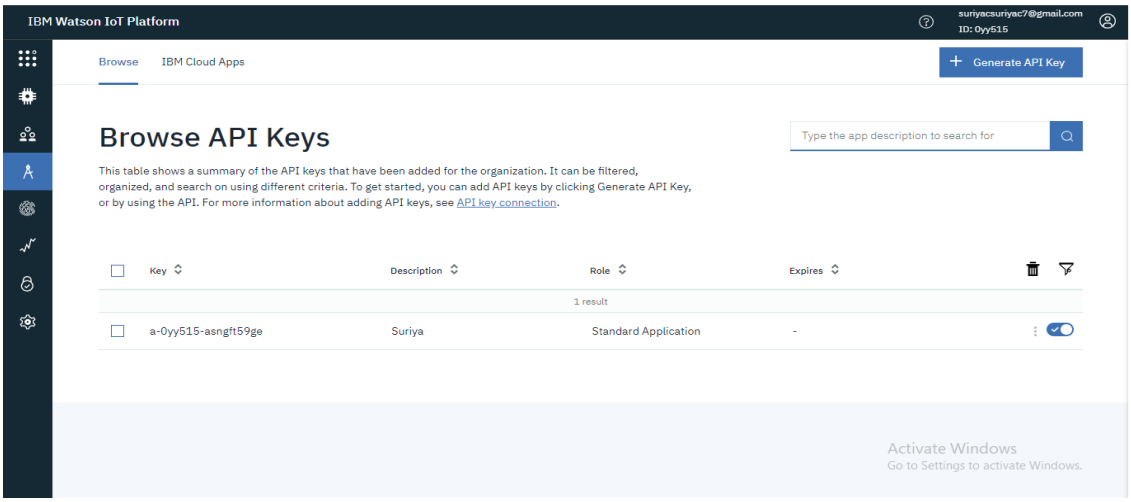
16. Usage gives the summary of how many bytes are used between the devices and the IBM cloud



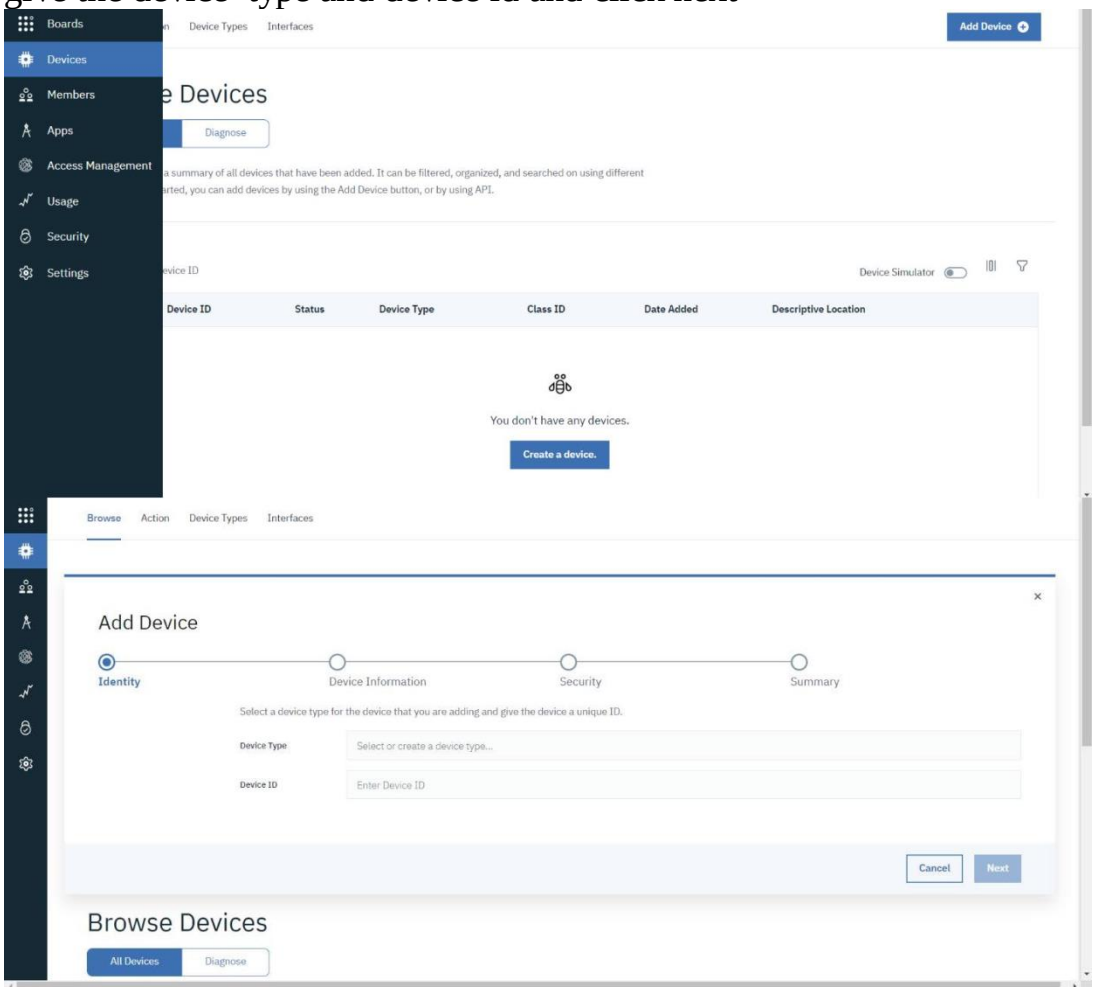
17. The member tab is add the teams members to work in the platform



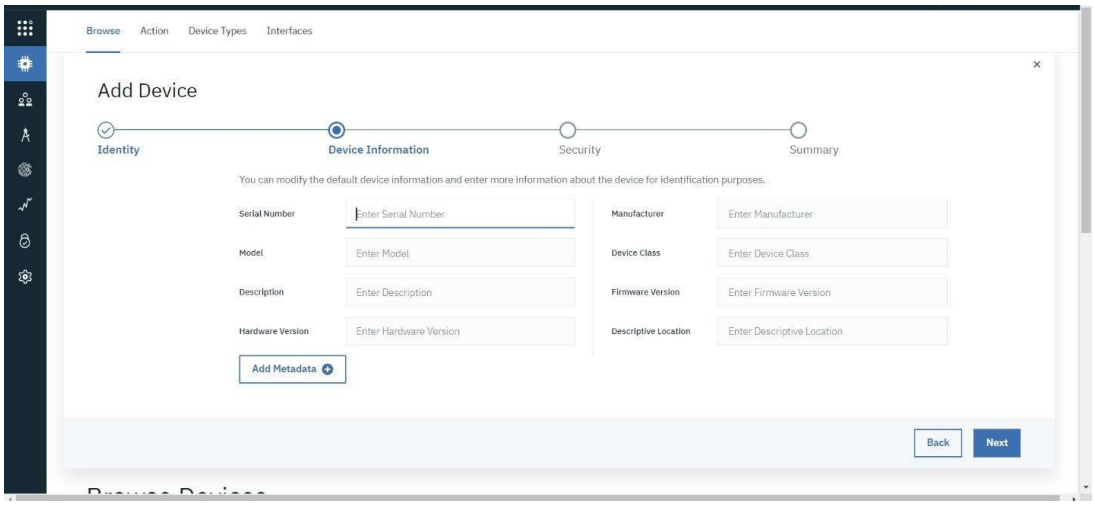
18. This tab is used when you want to connect to some other platform and to integrate with other services.



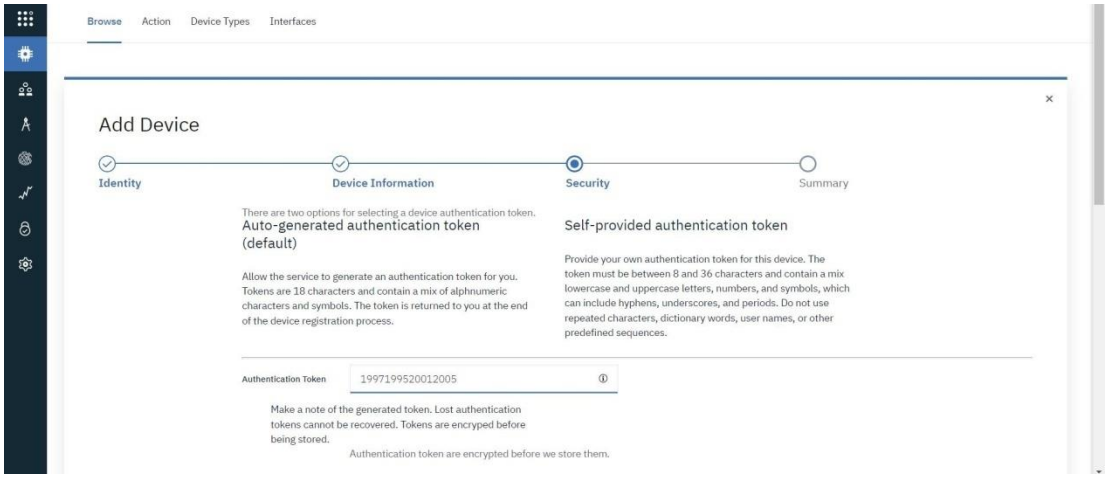
19. Click on the device tab and click on the add device button, then give the device type and device id and click next



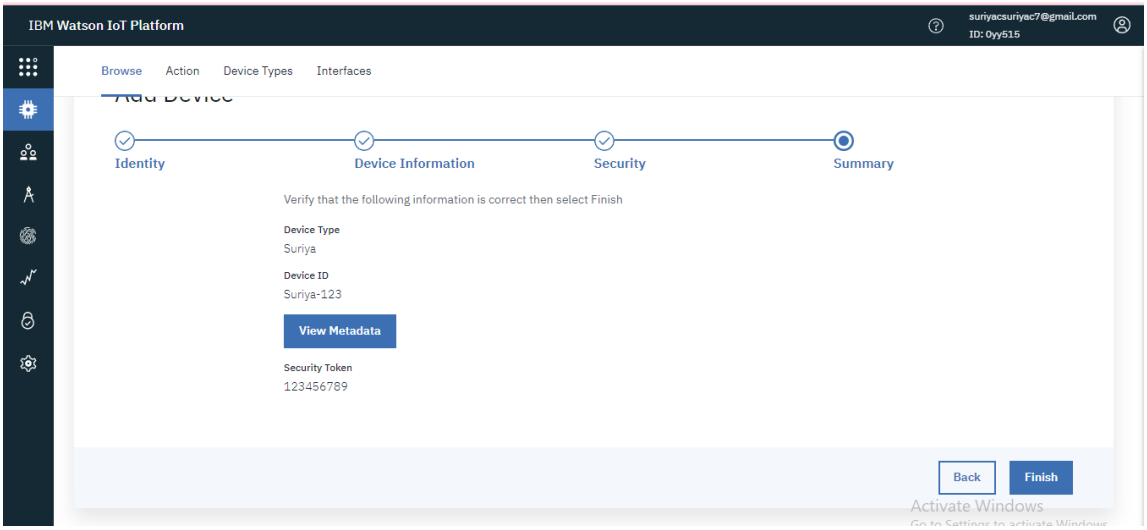
20. This page to enter extra details and the hardware



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



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

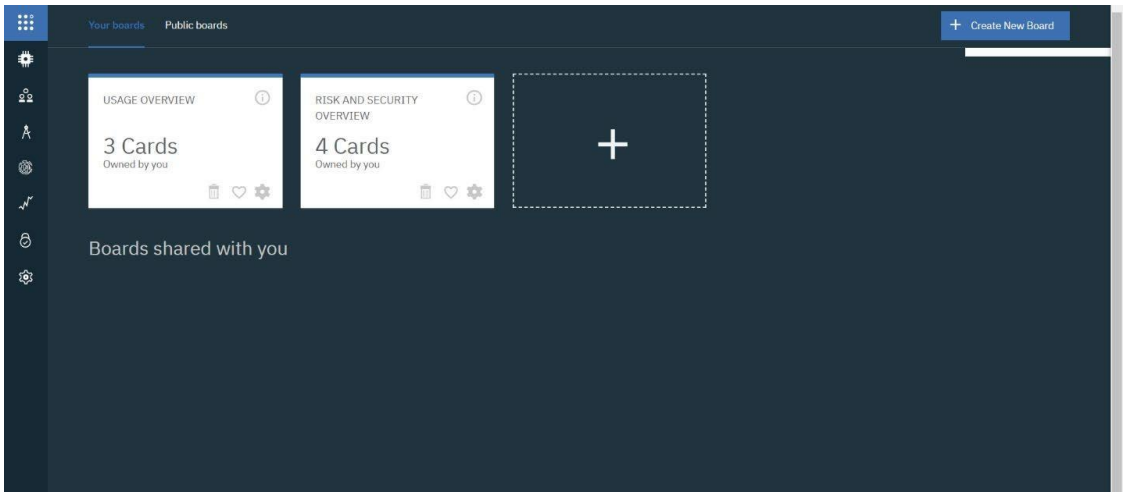


23.The device credentials will be displayed with all the details

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

25. 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 number of devices with a 50 per page limit.

26. The Boards will display card for the project.



CONCLUSION:

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