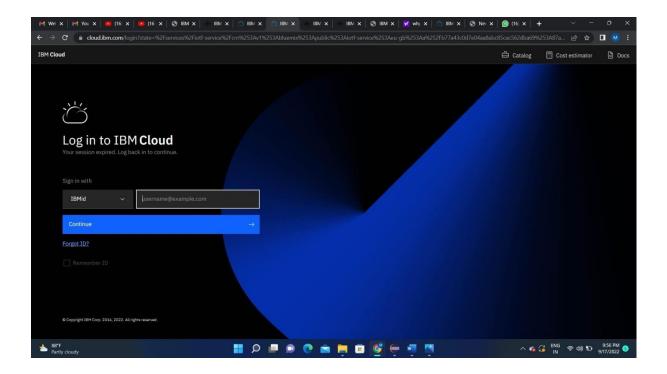
## CREATE IBM WATSON IOT PLATFORM AND DEVICE

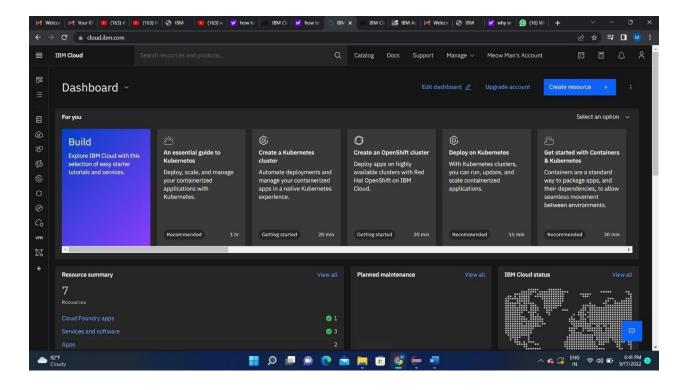
Date	PNT2022TMID26096 Signs with Smart Connectivity for Better Road Safety		
Team ID			
Project Name			
Maximum Marks	4 Marks		

## **STEPS:**

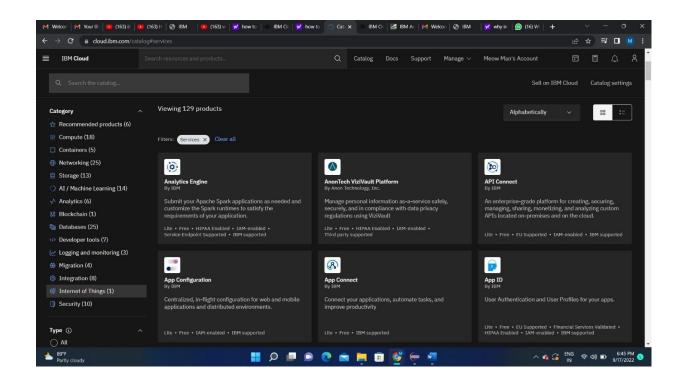
1. Firstly create an IBM cloud account with IBMid and password



## 2. Home page of IBM cloud



3. Click on the catalog on the top



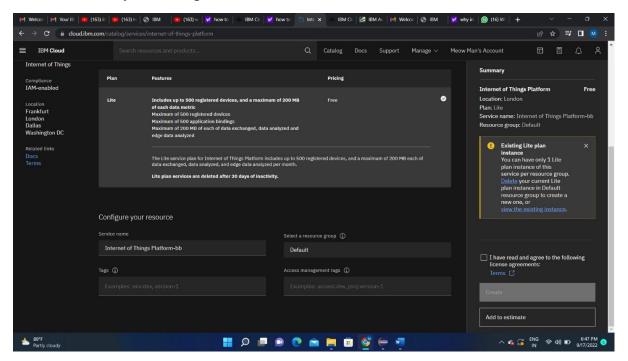
Click on IoT in the category mentioned M Welcon M Your IB ■ (163) ii: 🔼 (163) H 🕙 IBM 🕒 (163) v. 📝 how to 👚 IBM Cli: 📝 how to 🖰 Into 🗴 📧 IBM Cli 🏿 IBM Ac M Welcon 🕙 IBM 🖂 why in 📵 (16) W 🗎 🛨  $\leftarrow$   $\rightarrow$   $\mathbf{C}$   $\stackrel{\text{\tiny \tiny B}}{}$  cloud.ibm.com/catalog/services/internet-of-things-platform Ø ☆ ♥ □ M : **■** IBM Cloud Q Catalog Docs Support Manage v Meow Man's Account Summary Internet of Things Platform 专 Internet of Things Platform This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that Location: Dallas Plan: Lite Resource group: Default 1 Existing Lite plan instance
You can have only 1 Lite plan instance of this service per resource group. Delete your current Lite plan instance in Default Select a location Type Service Provider IBM resource group to create a new one, or view the existing instance. Updated on 08/15/2022 Select a pricing plan Displayed prices do not include tax. Monthly prices shown are for country or location: <u>United States</u> Internet of Things Plan Features Pricing Compliance IAM-enabled Includes up to 500 registered devices, and a maximum of 200 MB of each data metric
Maximum of 500 registered devices
Maximum of 500 application bindings
Maximum of 500 MB of each of data exchanged, data analyzed and I have read and agree to the following 0 Location Frankfurt London Dallas Washington DC

The Lite service plan for Internet of Things Platform includes up to 500 registered devices, and a maximum of 200 MB each of data exchanged, data analyzed, and edge data analyzed per month.

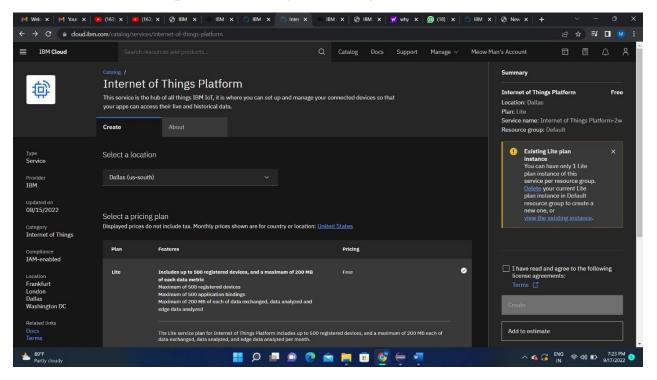
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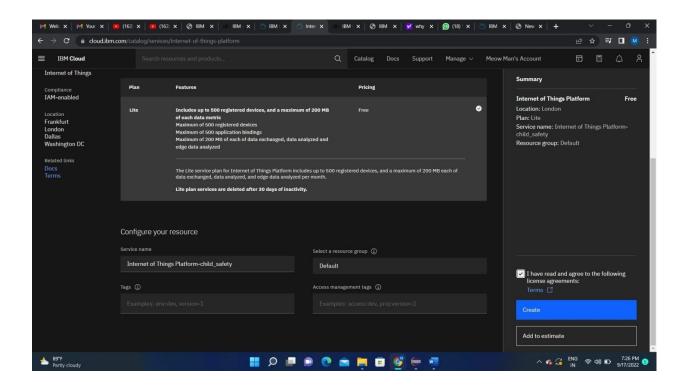
4. If already a lite is present delete it else u can't create another

89°F
Partly cloud

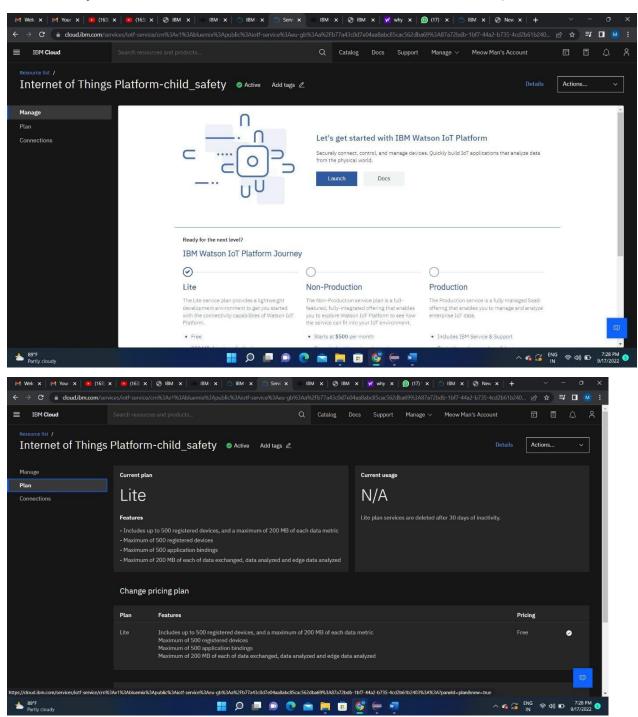


5. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create

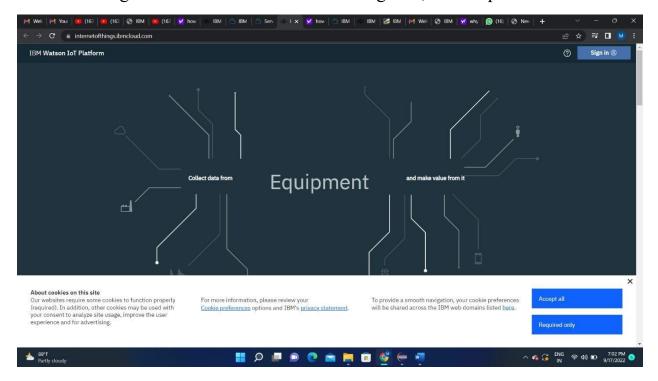




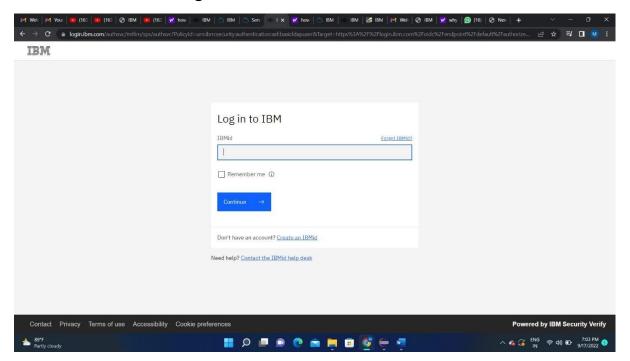
6. Internet of Things Platform Child\_safety will be created, where there are different options like manage, plan, and connection (manage is for launch, Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other servies)



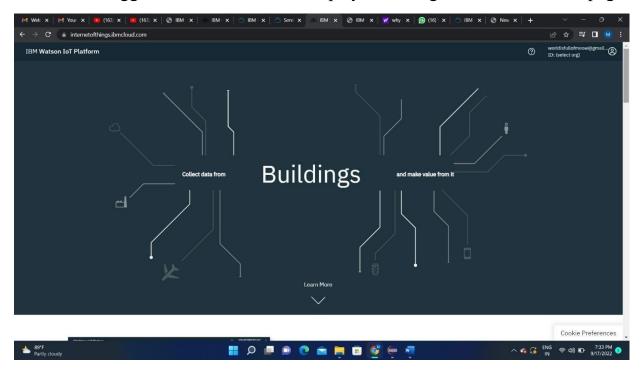
7. Clicking on the launch button in the manage tab, it will open to this



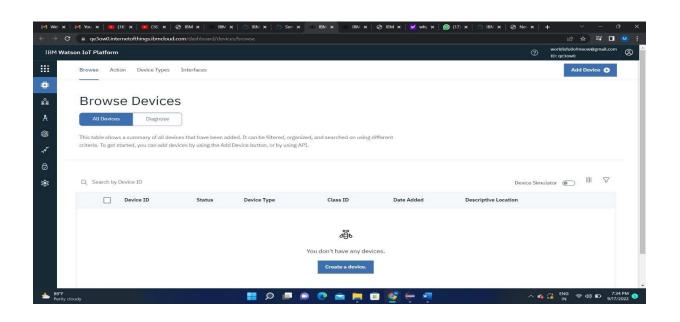
8. Enter the details to sign in to the Watson Cloud to create a device



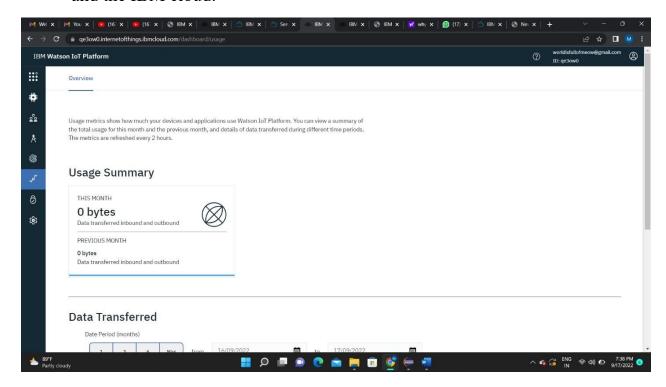
9. Once logged in the name will be displayed and it goes back to the first page



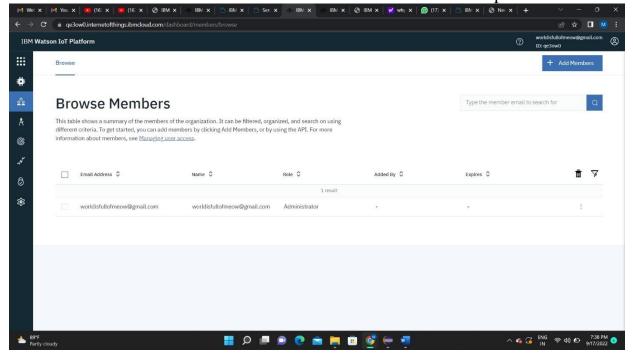
10. And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display ofdetails of the devices



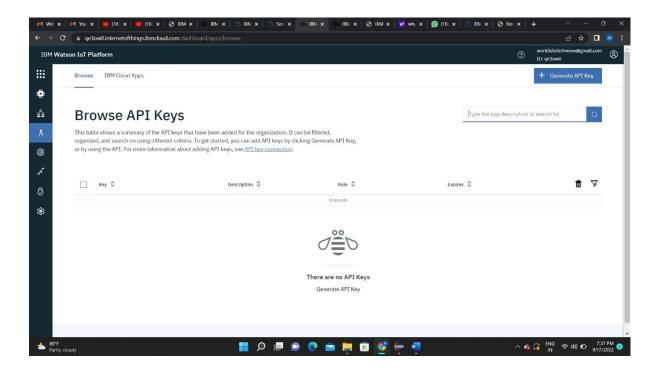
11. Usage gives the summary of how many bytes are used between the devices and the IBM cloud.



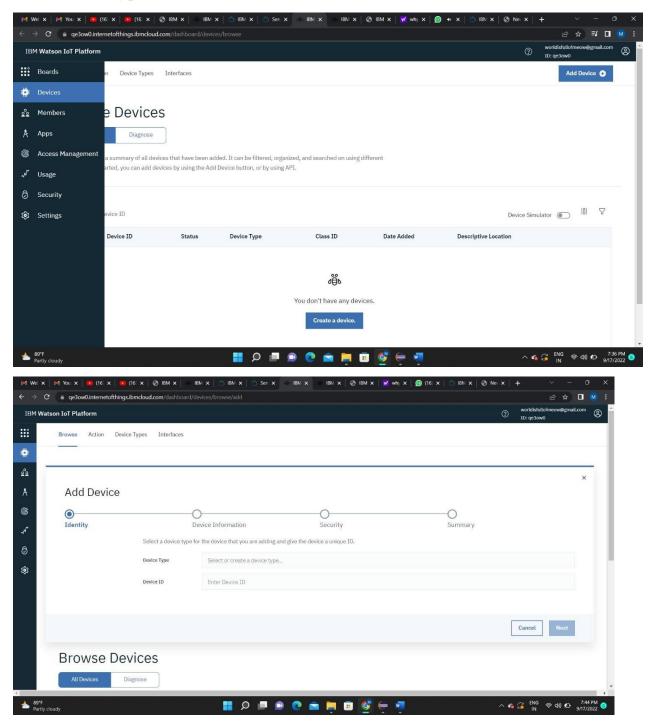
12. The member tab is add the teams members to work in the platform

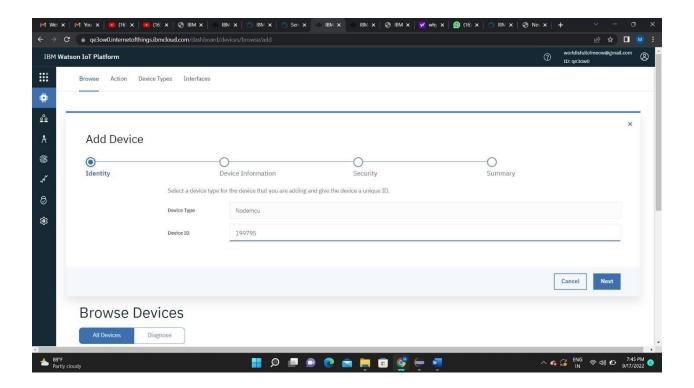


13. This tab is used when you want to connect to some other platform and to integrate with other services.

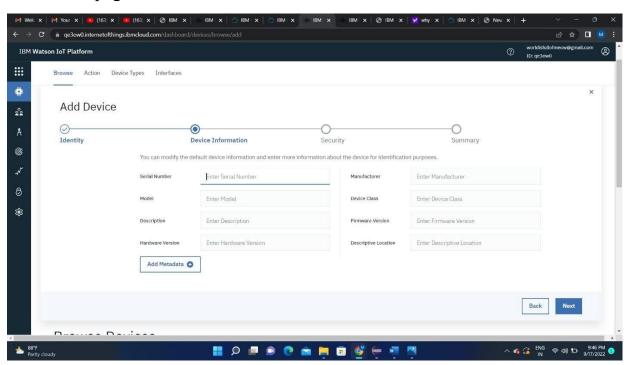


14. Click on the device tab and click on the add device button, then give the device type and device id and click next

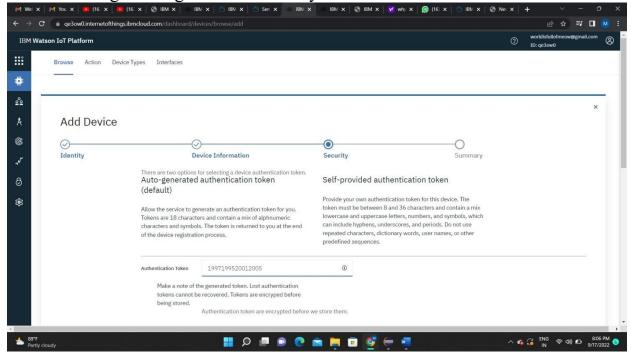




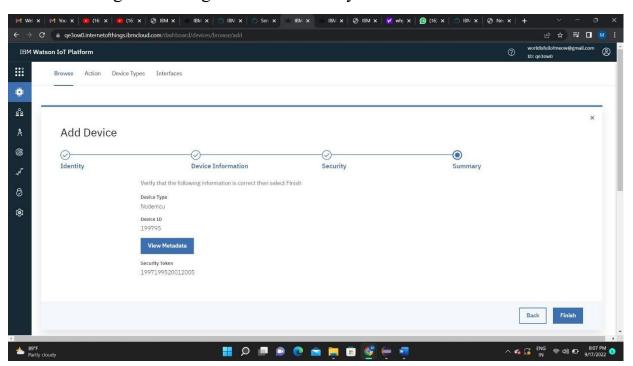
15. This page to enter extra details and of the hardware



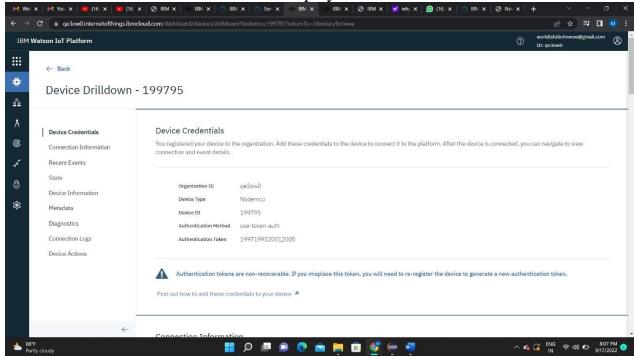
16. Clicking next it goes to the security where we do authentication token id.



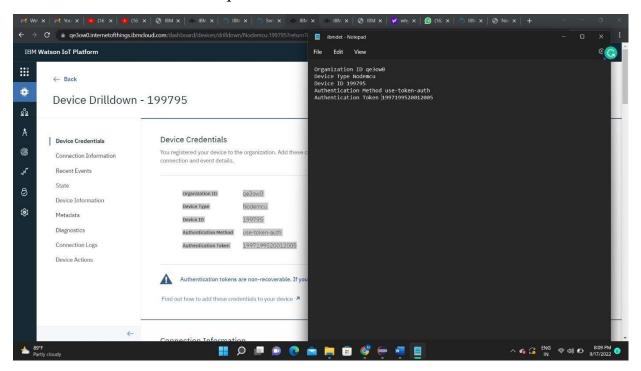
17. Clicking on next it goes to the summary of the device then click finish



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

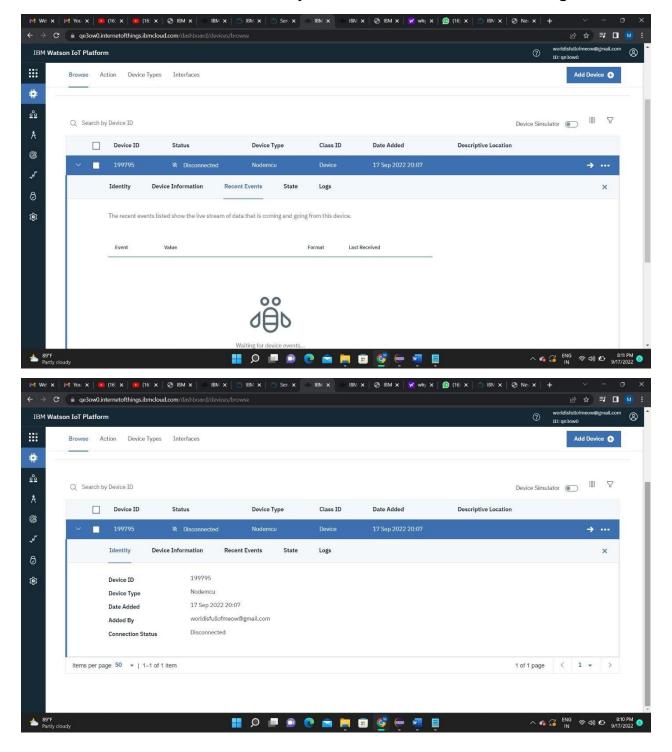


19. Safe the details of the device as the authentication tokens are non-recoverable and if misplaced then we have to create a new one.



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

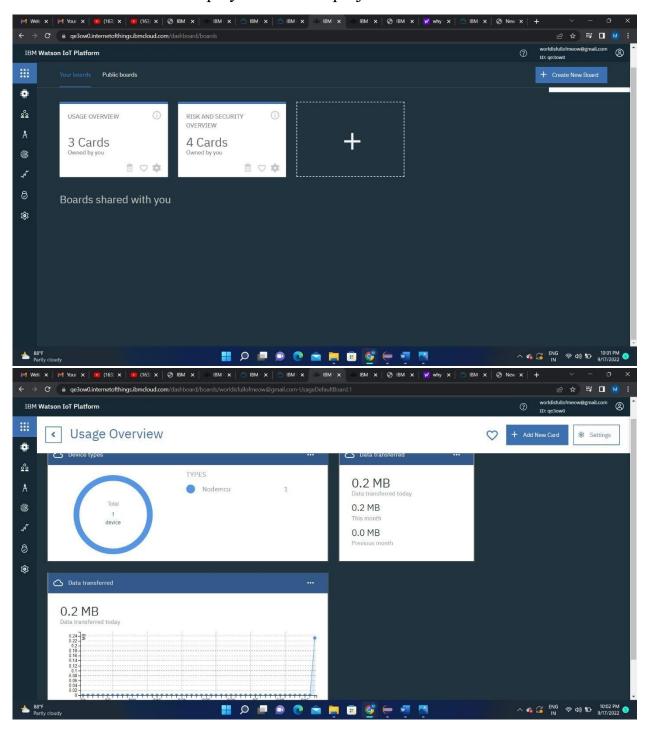
It has different tabs like Identity, Device Information, State and login.



In a similar way, we can create n number of devices with a 50 per page limit as

per	per the requirement of our project.						

21. The Boards will display card for the project.



## **RESULT:**

An IBM Watson cloud for IoT and a device is created