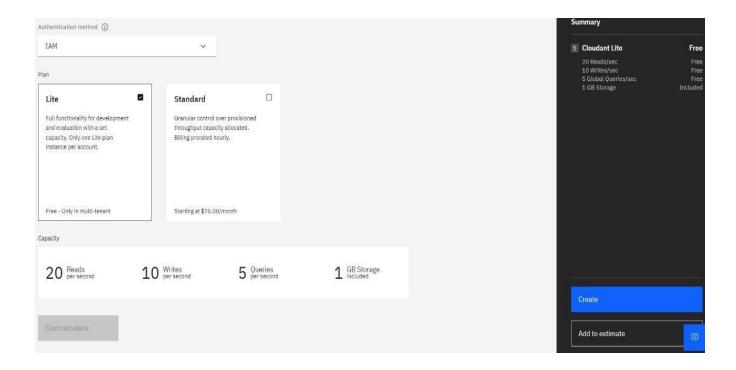
#### CREATE A DATABASE IN CLOUDANT DB

Date	11-11-2022
Team ID	PNT2022TMID07818
Project Name	Project – IOT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks
Submitted By	Aravind. C
	Melsiya.S
	Sriragavi.S
	Sneha.R

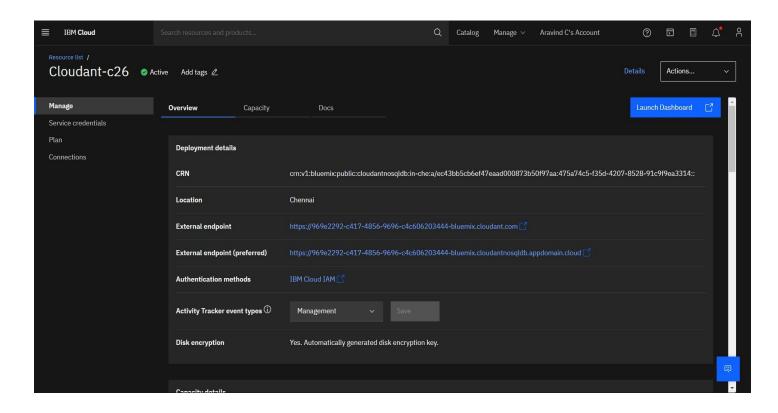
#### Aim: To create a database in Cloudant DB to store location data.

#### Steps followed:

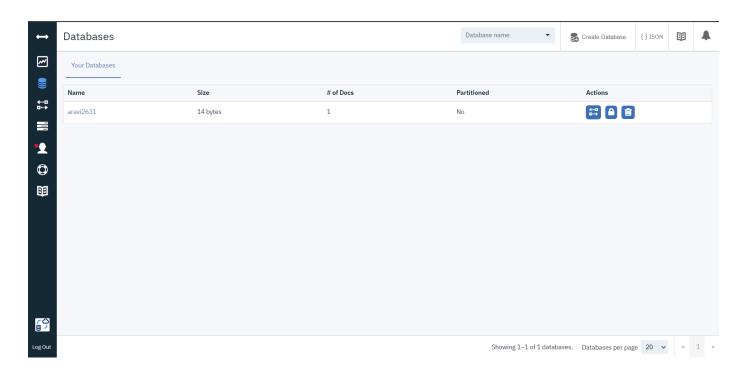
- Logged in to IBM Cloud account
- Navigated to `./resources`
- Clicked on the "Create Resource +" button
- Searched for "Cloudant"
- Chose the "Lite Version" and clicked on "Create"



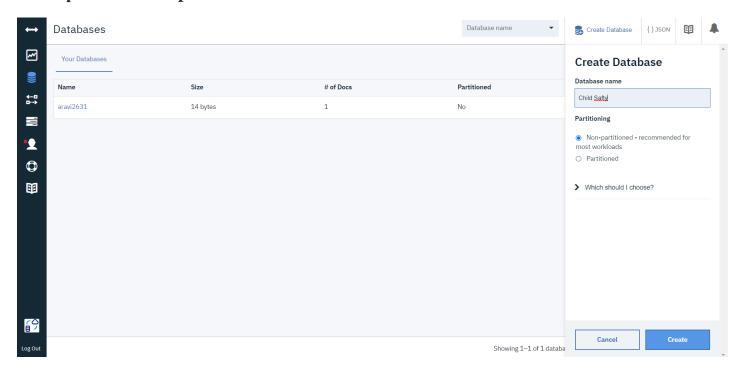
#### The Cloudant database resource was created successfully



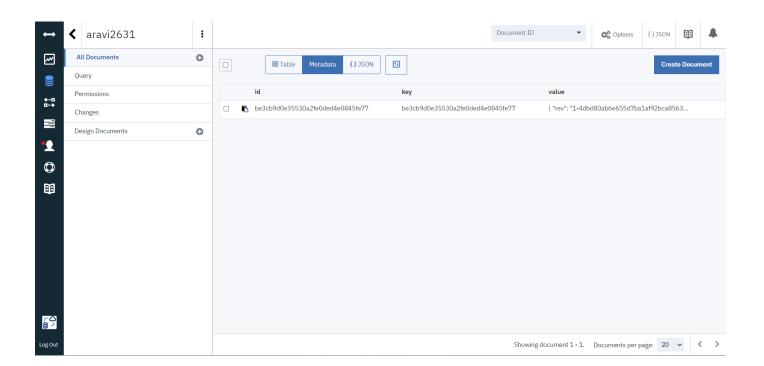
#### Clicked on Launch Dashboard:



# Clicked on "Create Database". Entered "aravi2631" as the database name nd the "Non-partitioned" option



#### The database "aravi2631" was created successfully



### **Result:**

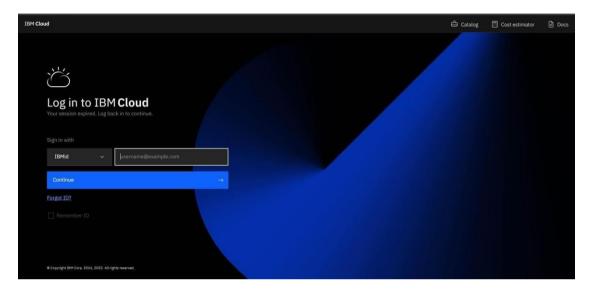
A database to store the location data was created successfully on Cloudant DB

### CREATE IBM WATSON IOT PLATFORM AND DEVICE

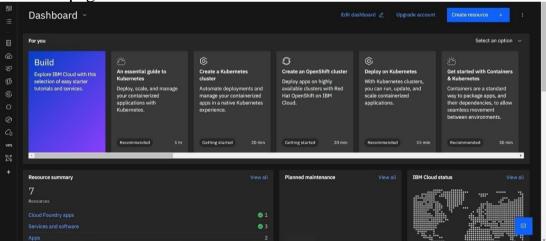
1. To create the IBM Watson IOT platform and device

#### **STEPS:**

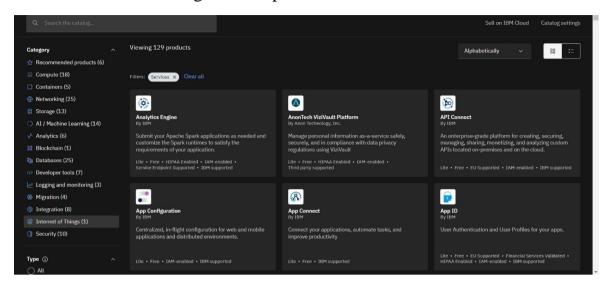
1. create an IBM cloud account with the individual IBM id and password



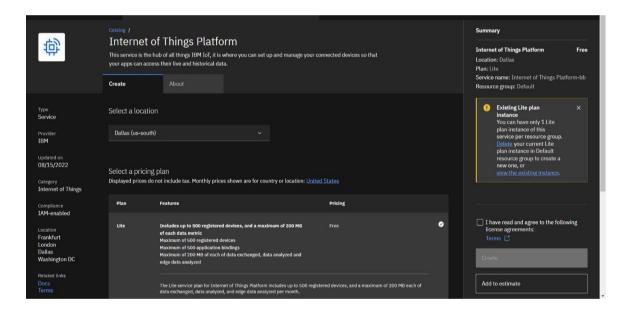
2. Home page of IBM cloud



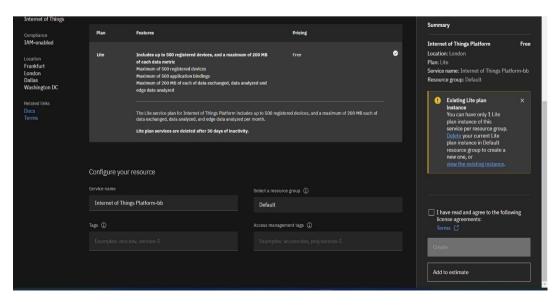
3. Click on the catalog on the top



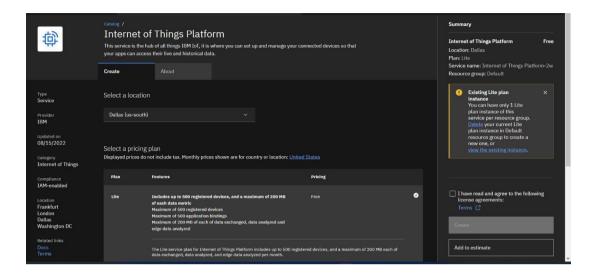
4. Click on IoT in the category mentioned



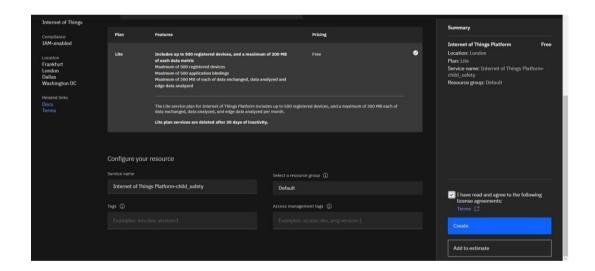
5. If already a lite is present delete it else u can't create another



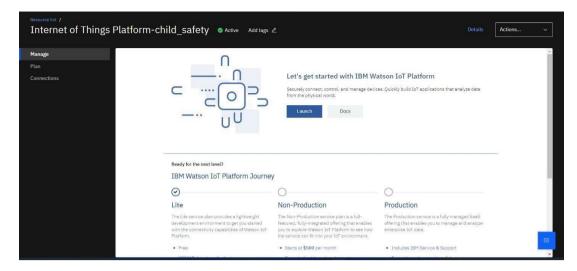
6. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create



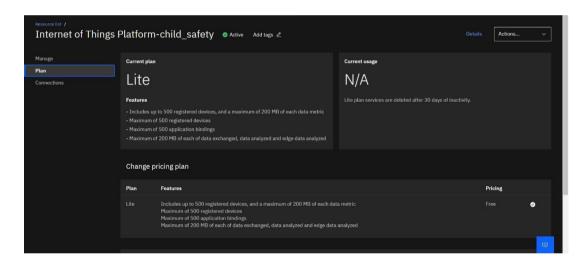
#### 7. click create



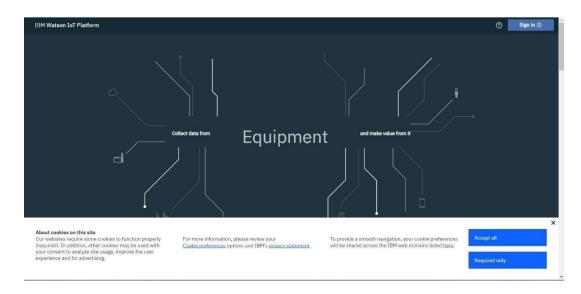
8. Internet of Things Platform Child\_safety will be created, where there are different options like manage, plan, and connection



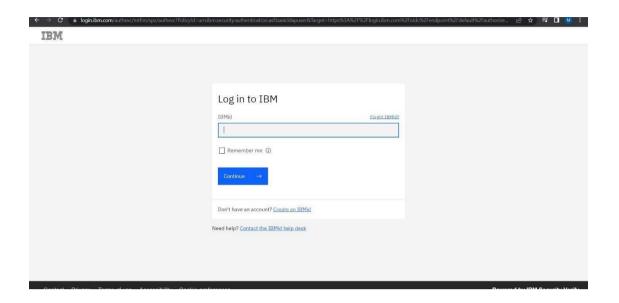
9. manage is for launch, plan gives us the idea about the payment packageand its upgrades, and lastly the connection is for to connect IOT with other services



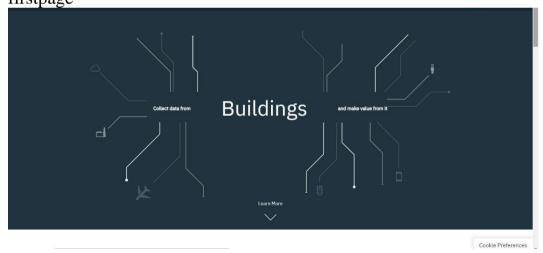
10. Click on the launch button in the manage tab, it will open to this



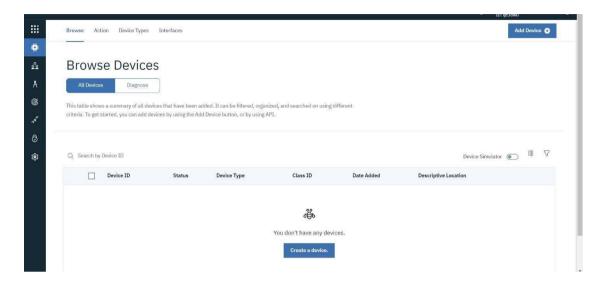
11. Enter the details to sign in to the Watson Cloud to create a device



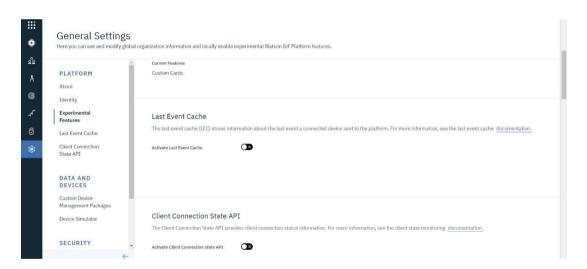
12. Once logged in the name will be displayed and it goes back to the firstpage



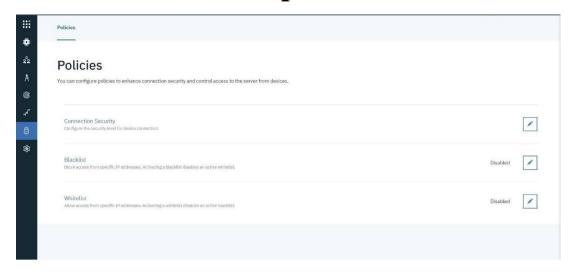
13. And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display of details of the devices.



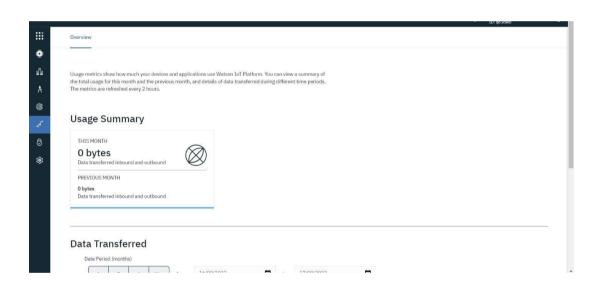
14. The setting tab is used to change the general setting if needed for the project.



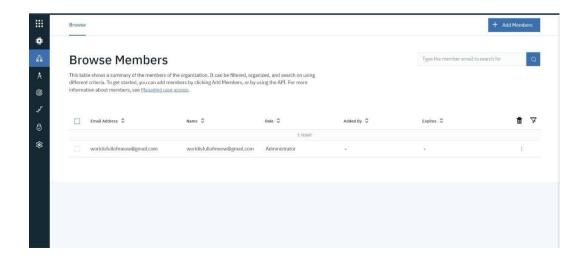
15. In the security tab we can choose the type of security connection andcan change according to specification



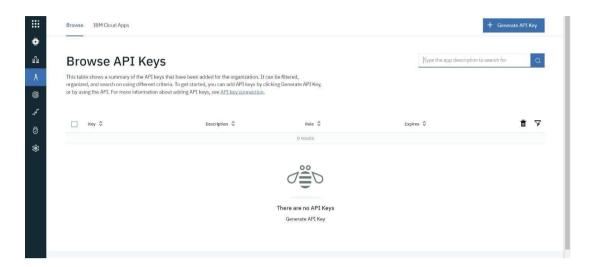
16. Usage gives the summary of how many bytes are used between the devices and the IBM cloud



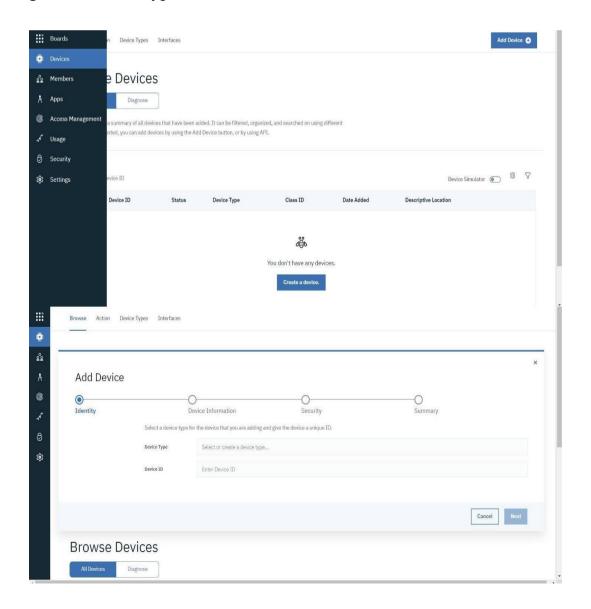
17. The member tab is add the teams members to work in the platform



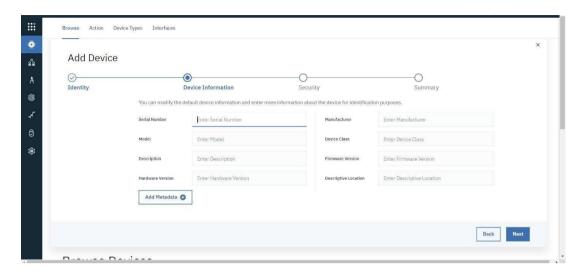
18. This tab is used when you want to connect to some other platform and to integrate with other services.



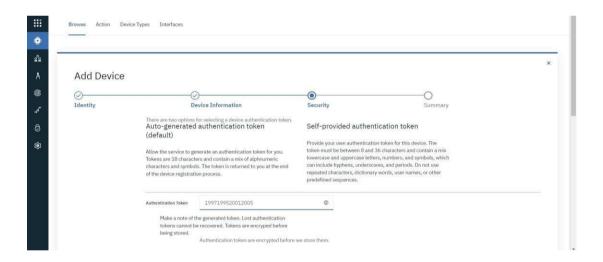
19. Click on the device tab and click on the add device button, then give the device type and device id and click next



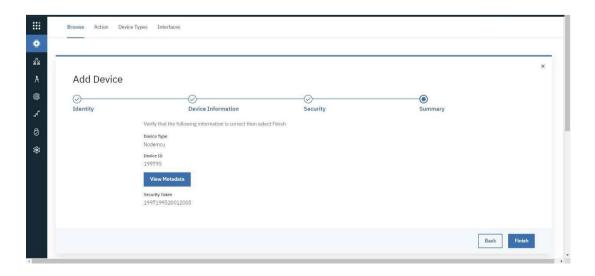
20. This page to enter extra details and of the hardware



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

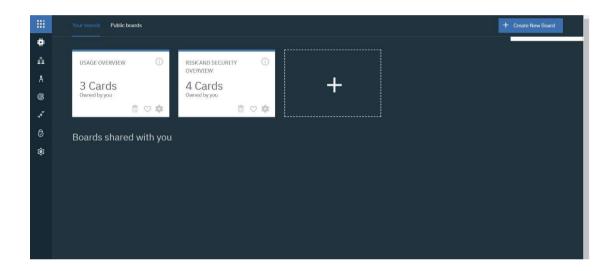


- 23. The device credentials will be displayed with all the details
- 24. Safe the details of the device as the authentication tokens are nonrecoverable and if misplaced then we have to create a new one.
- 25..Clicking on the device tab we can now see the added device. Clicking on it will display the other details. It has different tabs like Identity, Device Information, State and login.

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

per the requirement of our project

26. The Boards will display card for the project.



#### **CONCLUSION:**

An IBM Watson cloud for IoT and a device is created

# Sprint-2 Create Node-RED Service

Aim: To create a web application create a Node-RED service.

#### Steps followed:

• Download Node JS for your pc:



#### Run the command prompt in your pc:

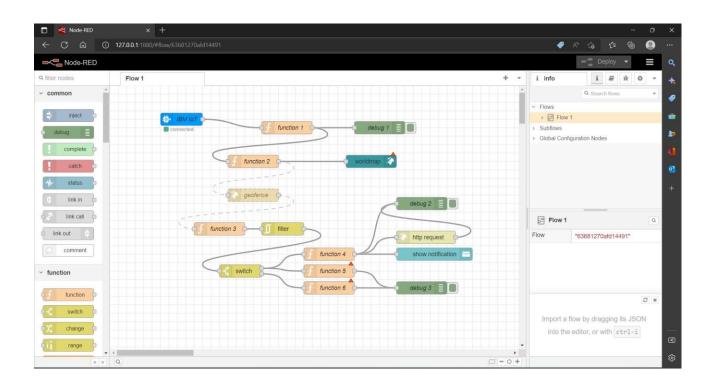


To install Node-Red type "npm install -g --unsafe-perm node-red" in cmd :

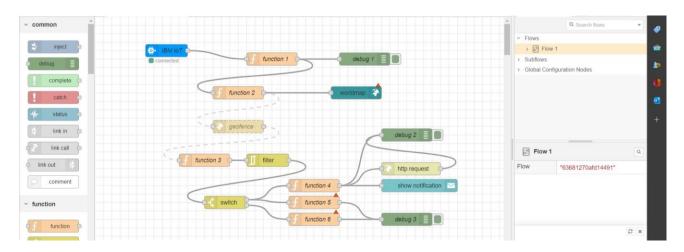
```
### CAWNDOWNONJUMBENEMAL | Property | Proper
```

After installation type "node-red" in cmd to run Node-Red:

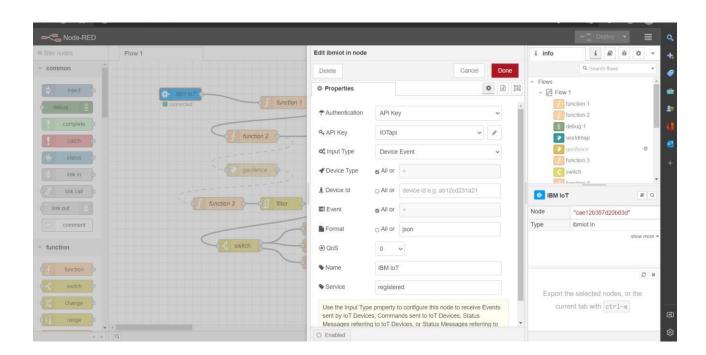
Copy the link and paste it in your Browser to run the Node-red in local server:



#### Dragged and dropped components into the editor



#### **Editing some values of the properties:**



Result: Successfully created a NodeRED service on IBM Cloud