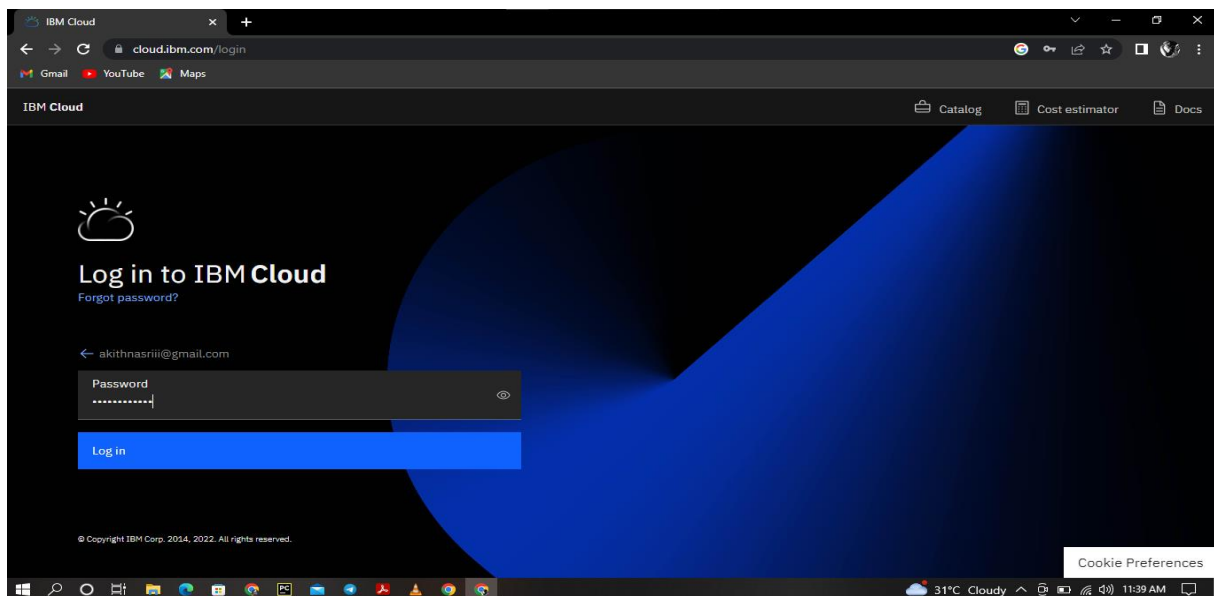


Create IBM Watson IoT Platform and Device

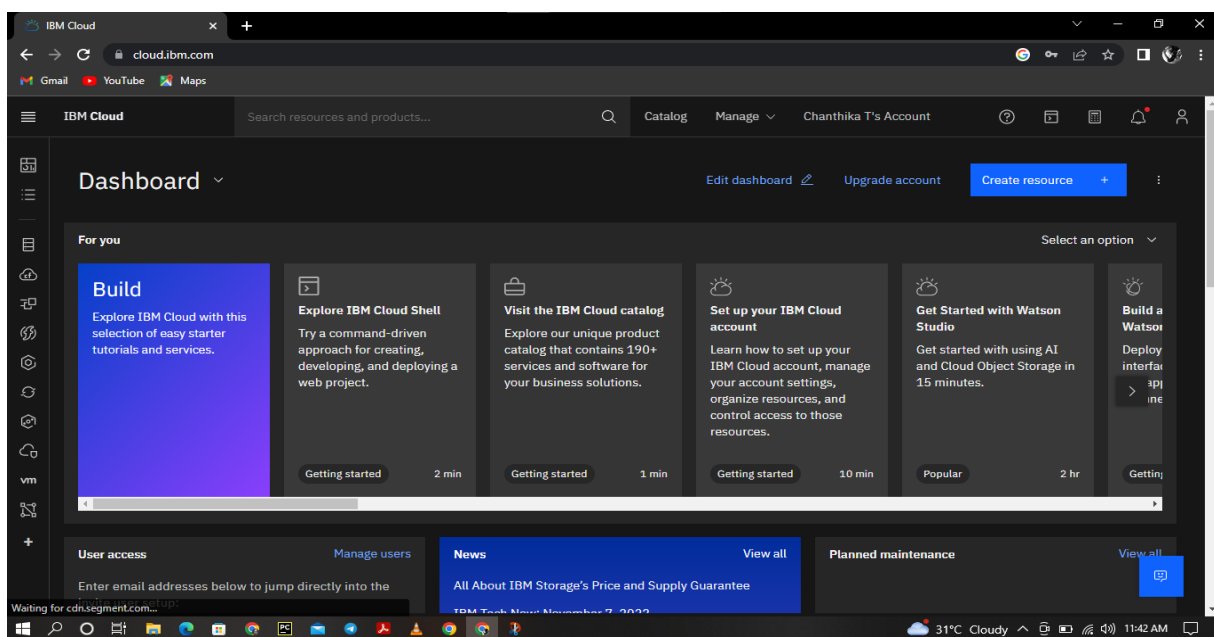
Date	22-10-2022
Team ID	PNT2022TMID25027
Project Name	IoT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks
Submitted by	

STEPS:

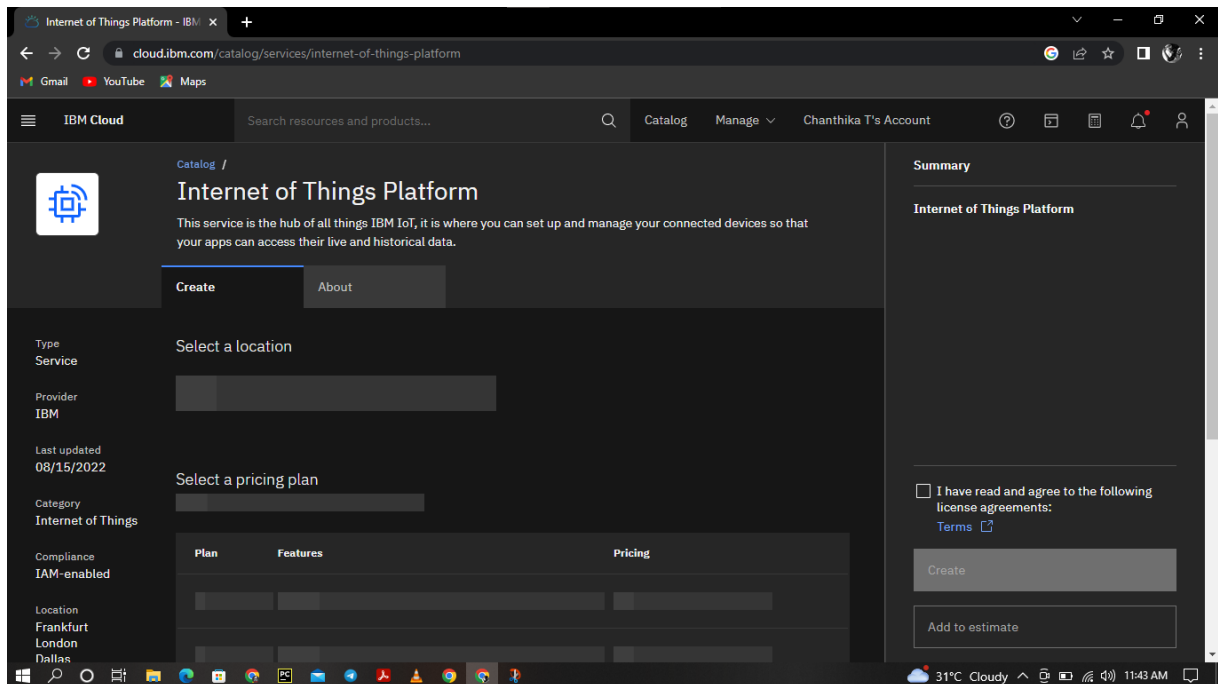
1. First log-in to IBM cloud account with IBM ID and Password



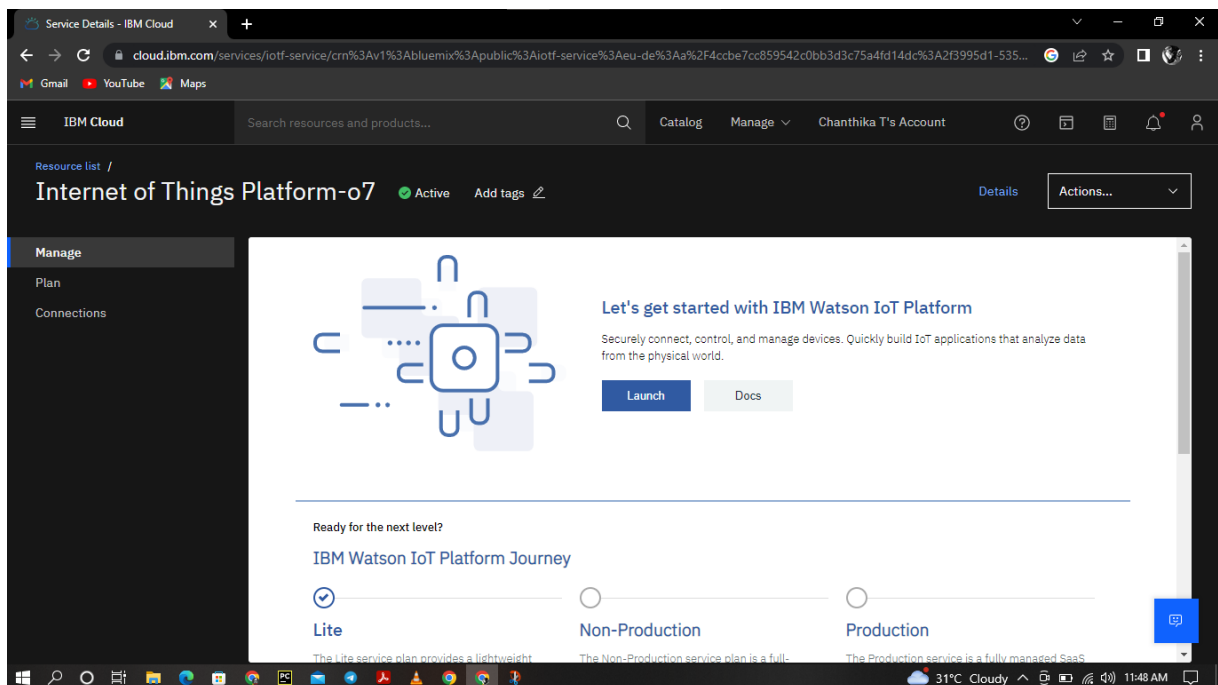
2. Home page of IBM cloud



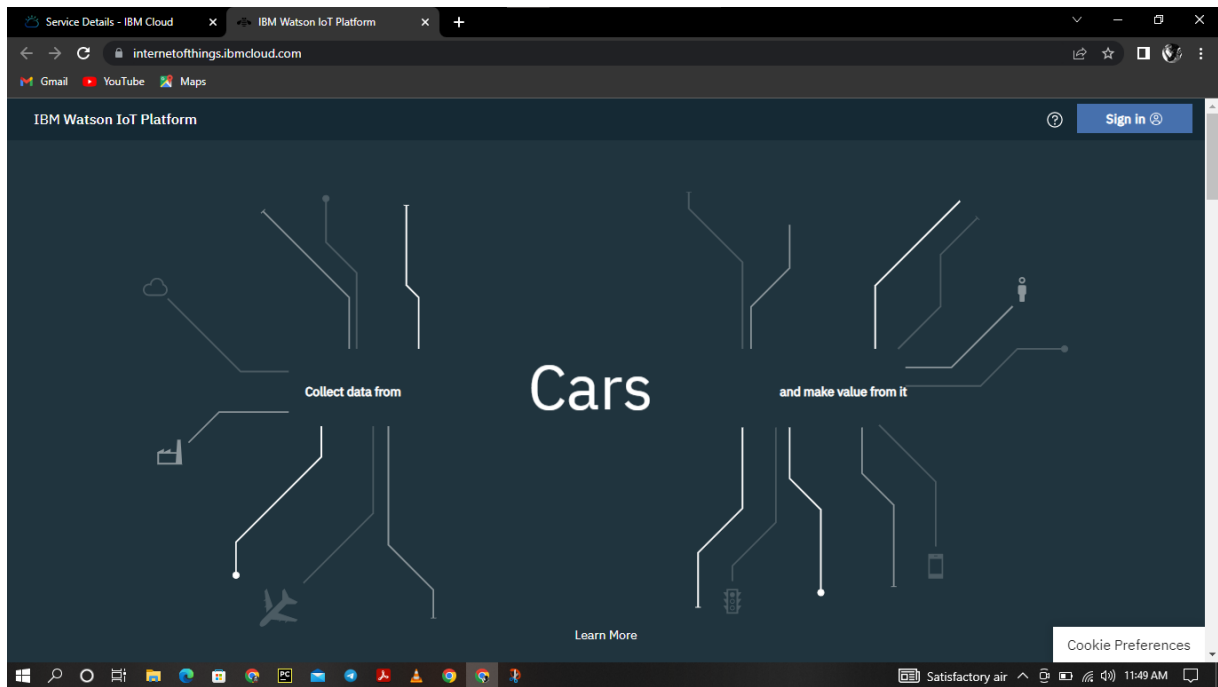
3. Click on the catalog and search Internet of Things



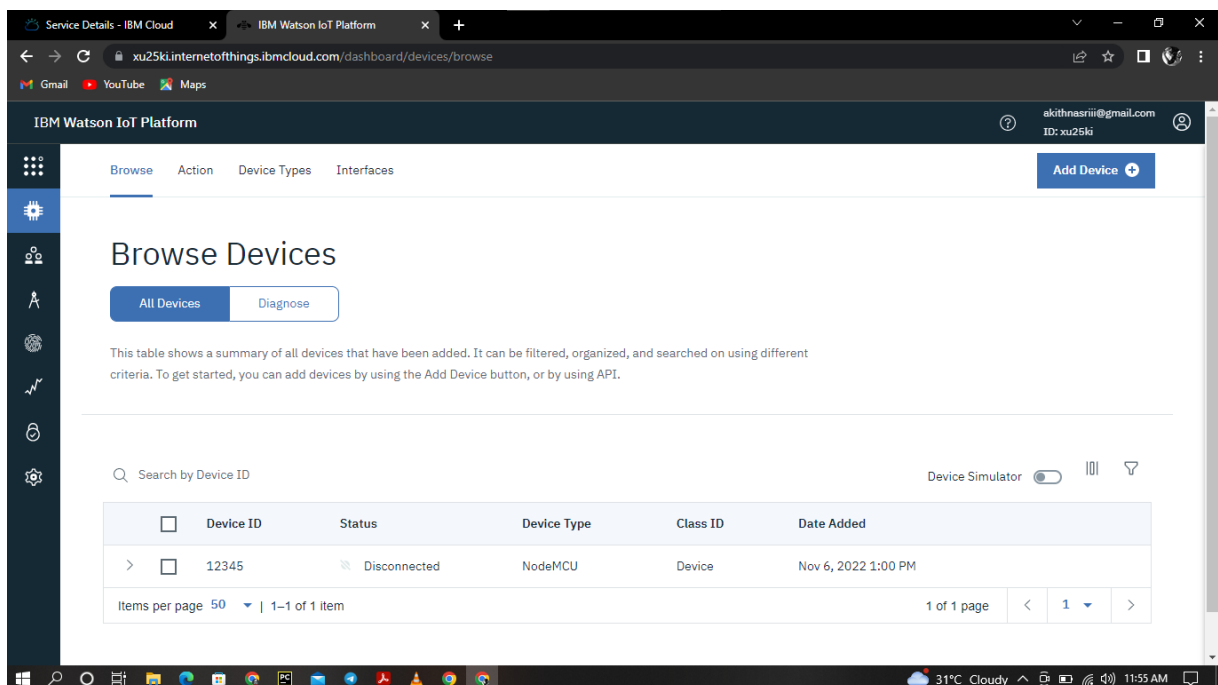
4. Next click on the Launch Button



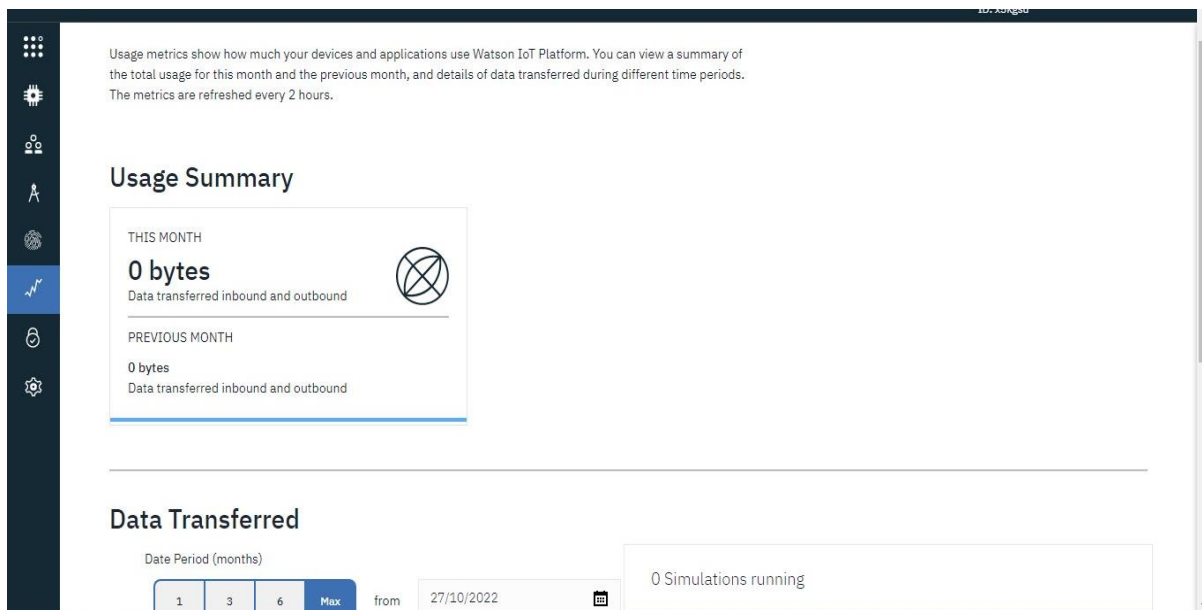
5. Sign in IBM Watson IoT Platform



6. Home page of IBM Watson IoT Platform



7. Usage of Summary IBM Watson IoT Platform



8. Browse Members of IBM Watson IoT Platform

Browse

+ Add Members

Browse Members

Type the member email to search for

This table shows a summary of the members of the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add members by clicking Add Members, or by using the API. For more information about members, see [Managing user access](#).

<input type="checkbox"/>	Email Address ↕	Name ↕	Role ↕	Added By ↕	Expires ↕	
1 result						
<input type="checkbox"/>	611719106301@smartinternz....	611719106301@smar...	Administrator	-	-	

0 Simulations running

9. Browse API Keys of IBM Watson IoT Platform

Browse API Keys

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see [API key connection](#).

Key	Description	Role	Expires
a:x5kgsu-0uempmbswg	API Key for the device simulator	Standard Application	-

0 Simulations running

10. Browse Device of IBM Watson IoT Platform

Browse Devices

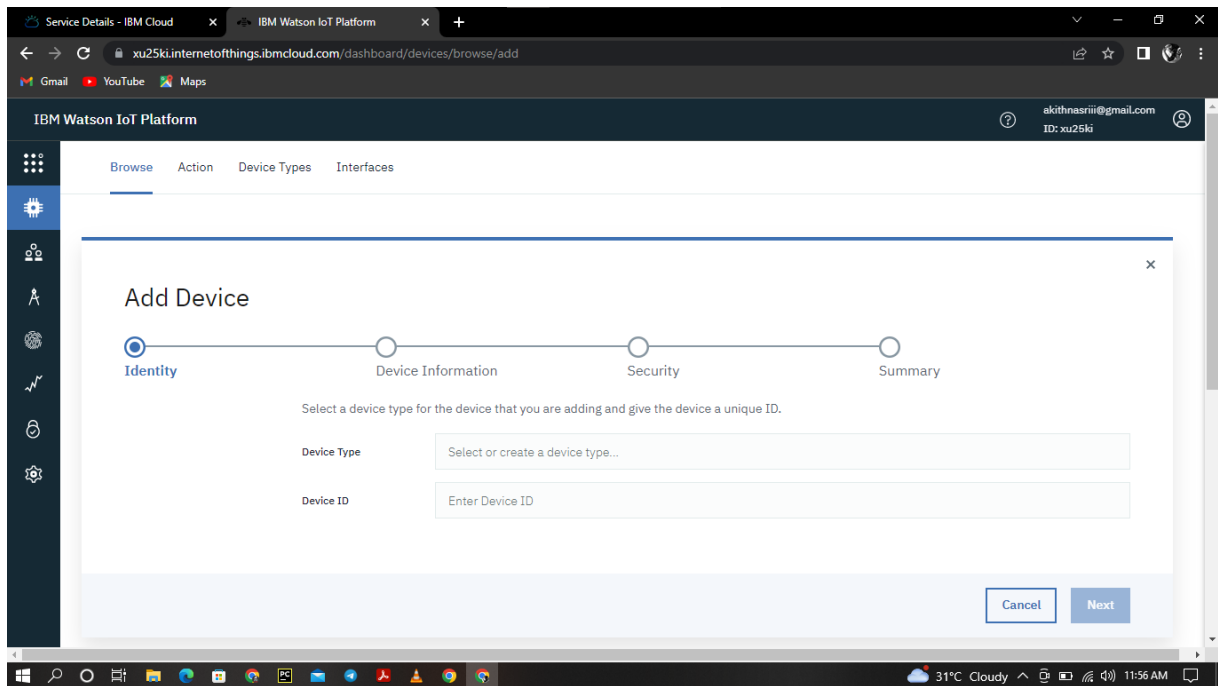
This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

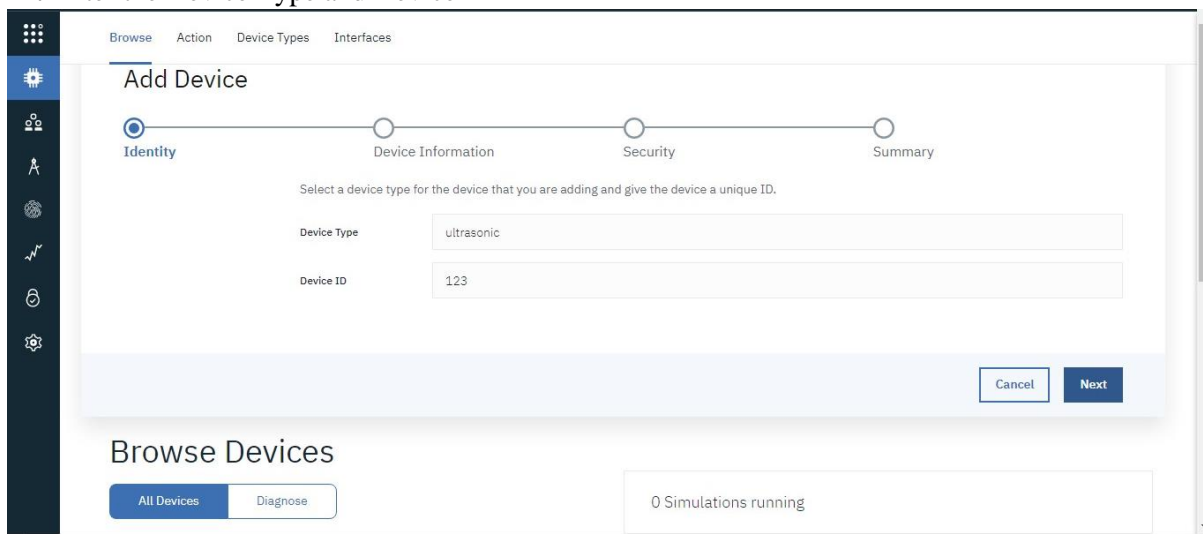
Device ID	Status	Device Type	Class ID	Date Added
12345	Disconnected	NodeMCU	Device	Nov 6, 2022 1:00 PM

1 of 1 page

11. Click on Add Device Button



12. Enter the Device Type and Device ID



13. Can't Change the Device Information and Click Next Button

Add Device

Identity Device Information Security Summary

You can modify the default device information and enter more information about the device for identification purposes.

Serial Number	<input type="text" value="Enter Serial Number"/>	Manufacturer	<input type="text" value="Enter Manufacturer"/>
Model	<input type="text" value="Enter Model"/>	Device Class	<input type="text" value="Enter Device Class"/>
Description	<input type="text" value="Enter Description"/>	Firmware Version	<input type="text" value="Enter Firmware Version"/>
Hardware Version	<input type="text" value="Enter Hardware Version"/>	Descriptive Location	<input type="text" value="Enter Descriptive Location"/>

0 Simulations running

14. Enter the Authentication Code and Click Next Button

Add Device

Identity Device Information Security Summary

There are 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

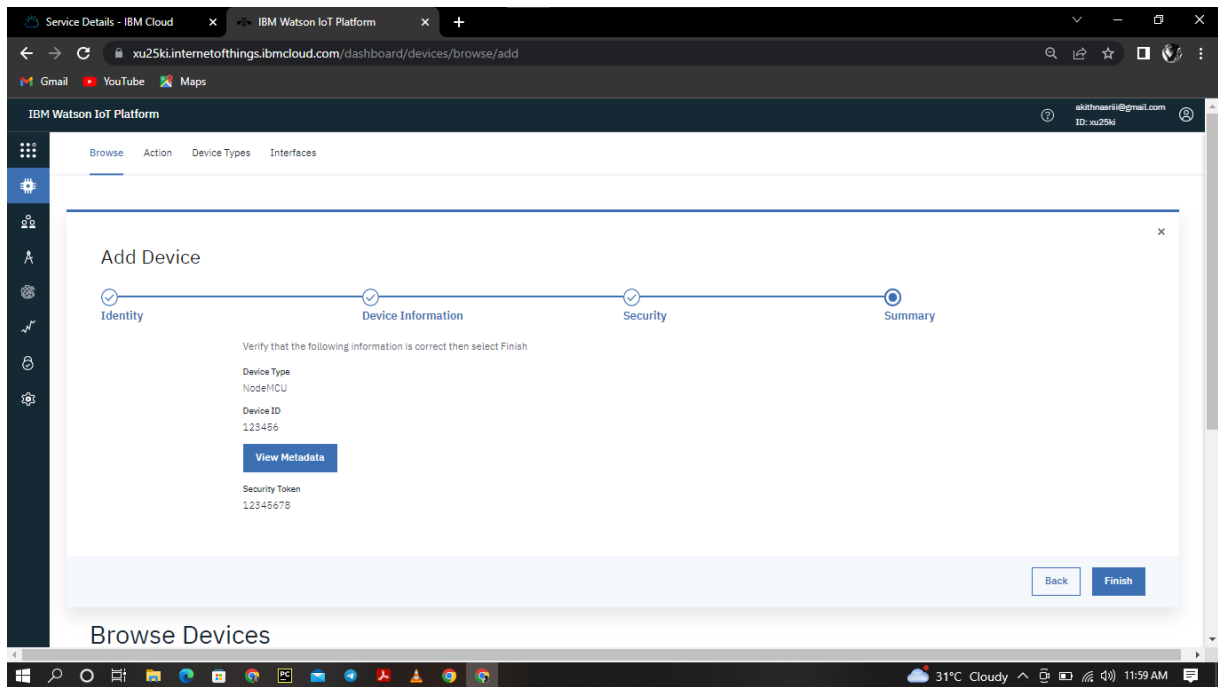
Provide your own authentication token for this device. The token must be between 8 and 36 characters and contain a mix of lowercase and uppercase letters, numbers, and symbols, which can include hyphens, underscores, and periods. Do not use repeated characters, dictionary words, user names, or other predefined sequences.

Authentication Token

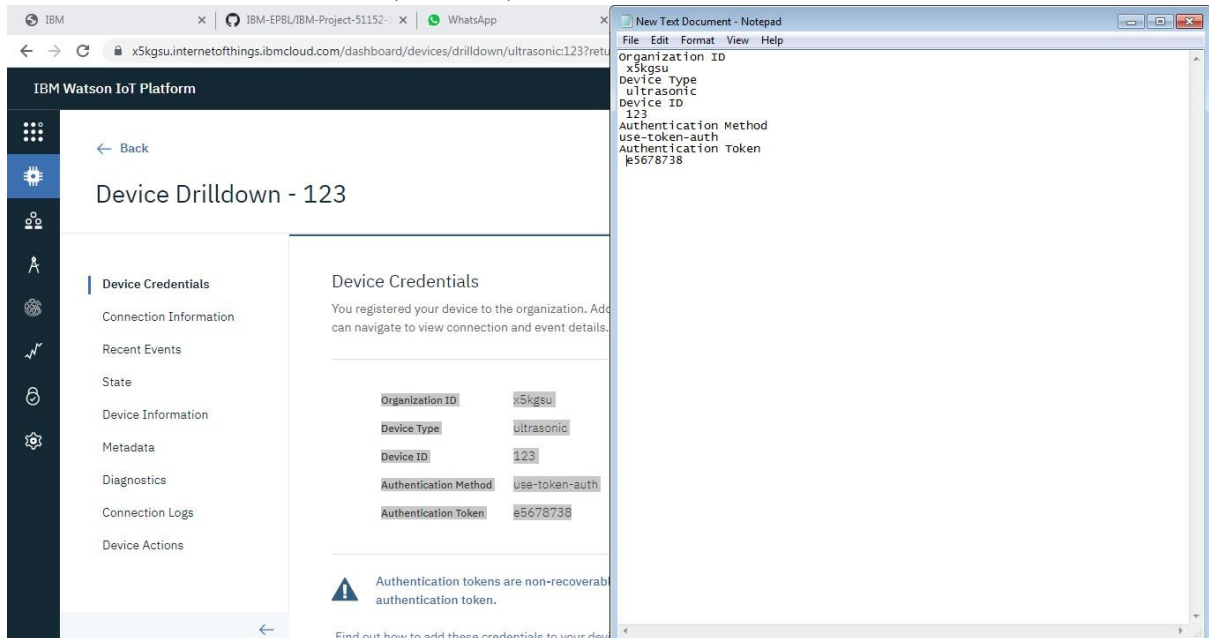
Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.

Authentication token are encrypted before we store them.

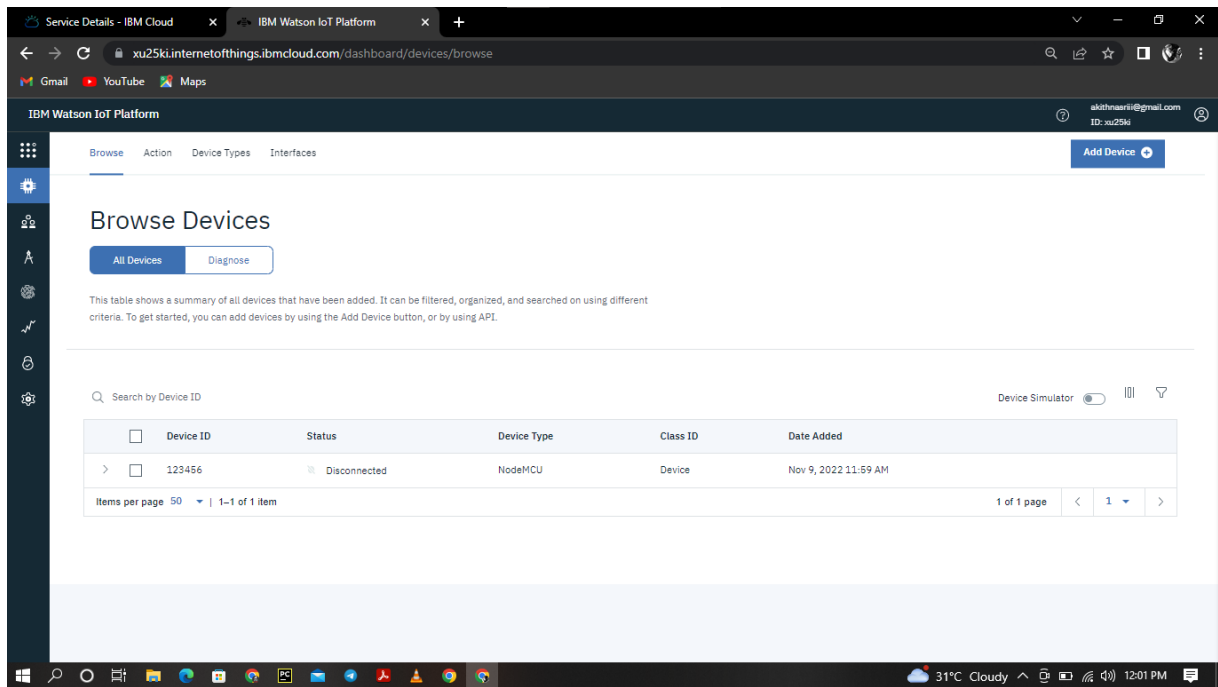
15. View Summary



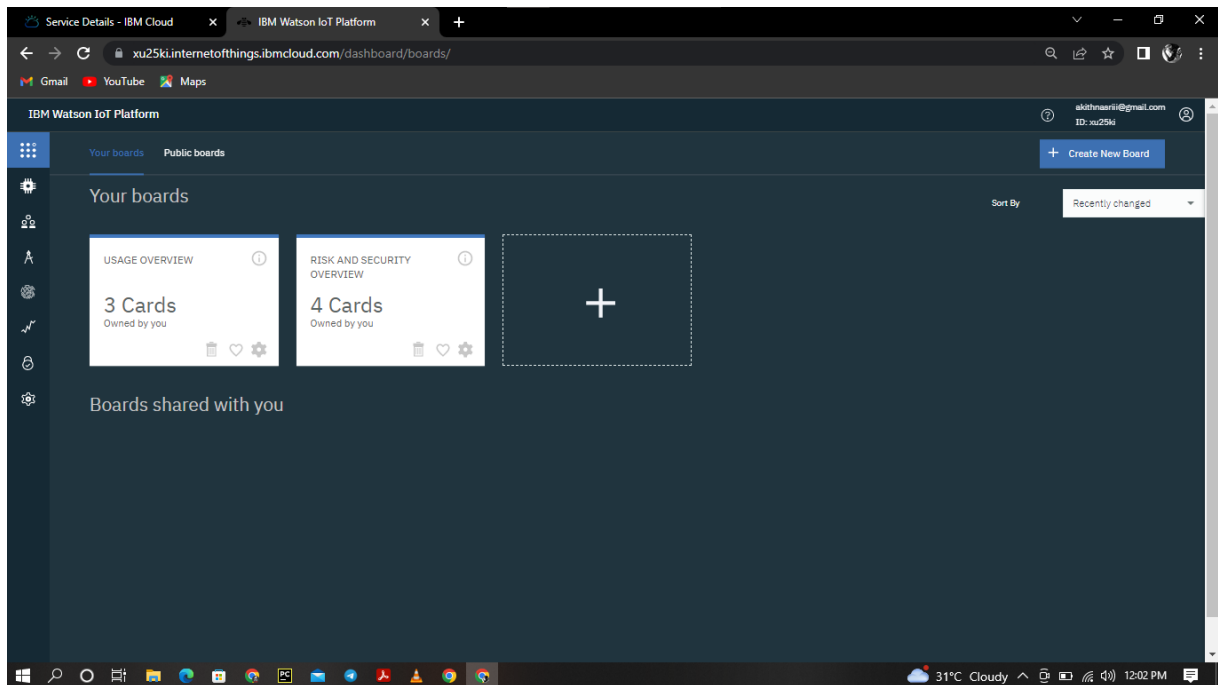
16. Save the Device information(Note Pad)



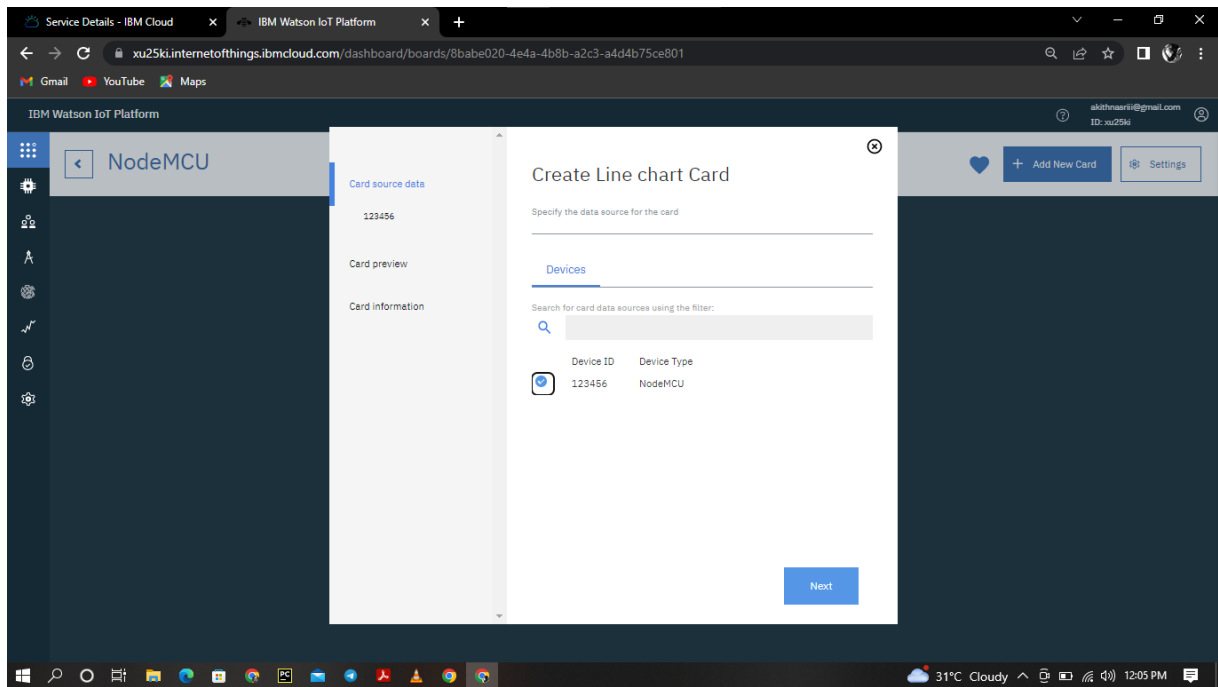
17. Successfully Created Device and Turn ON the Simulation Device



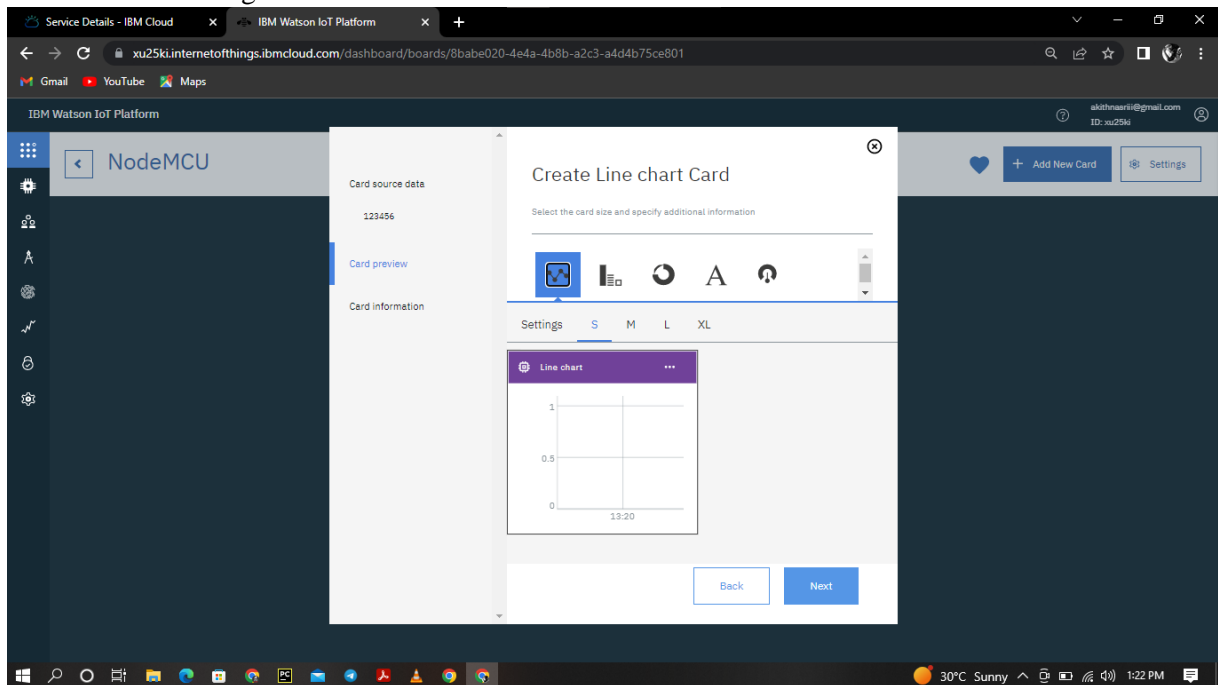
18. Click New Cards



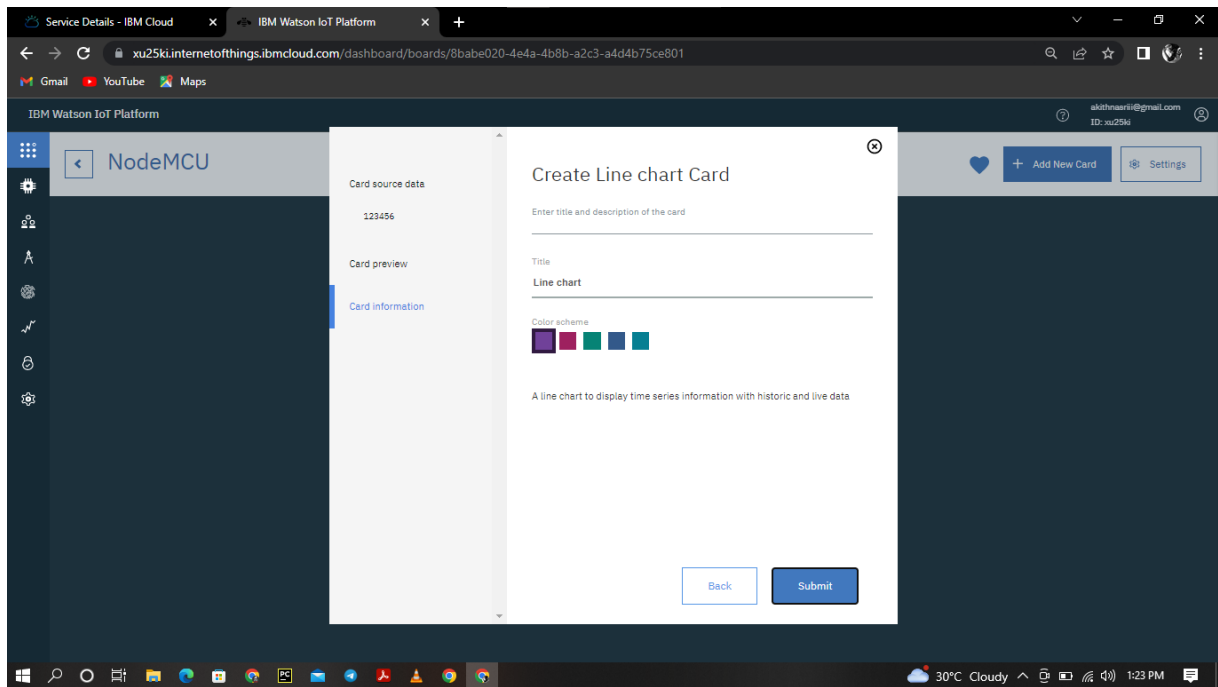
19. Create Line Chart Card and Select Device ID



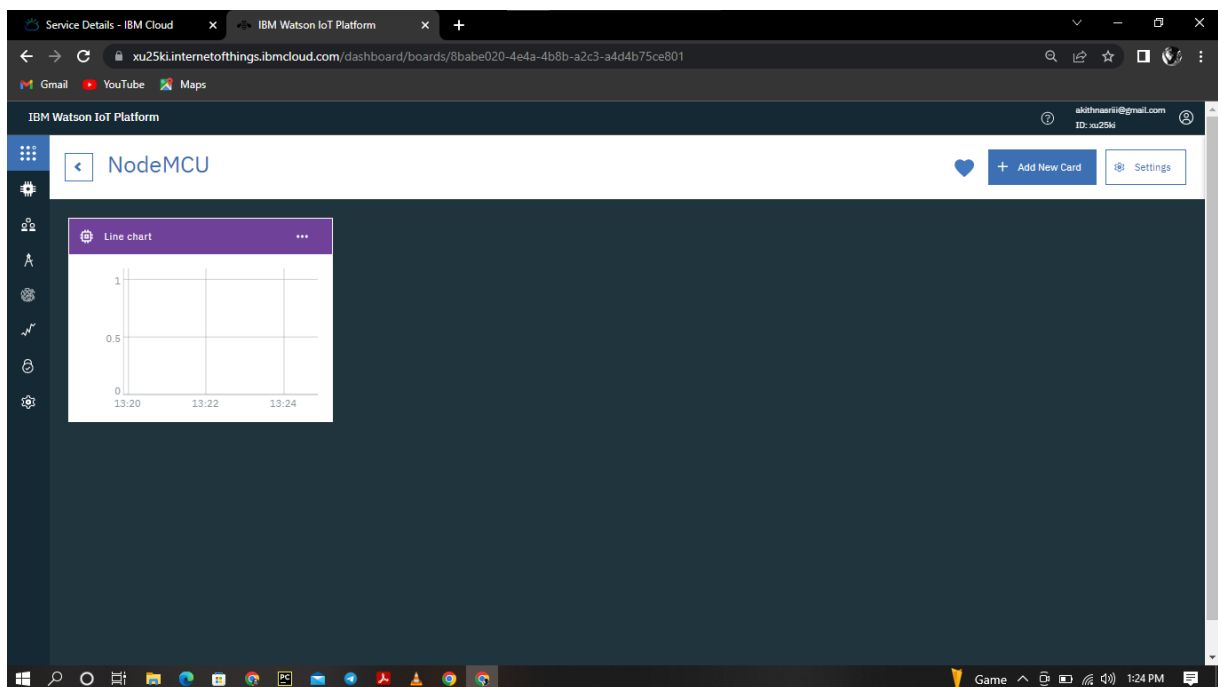
20. Click Card Design and Select the Size of Chart



21. Select the Colour



22. Successfully Created the Line Chart



Result:

An IBM Watson Cloud for IoT and a Line Chart