

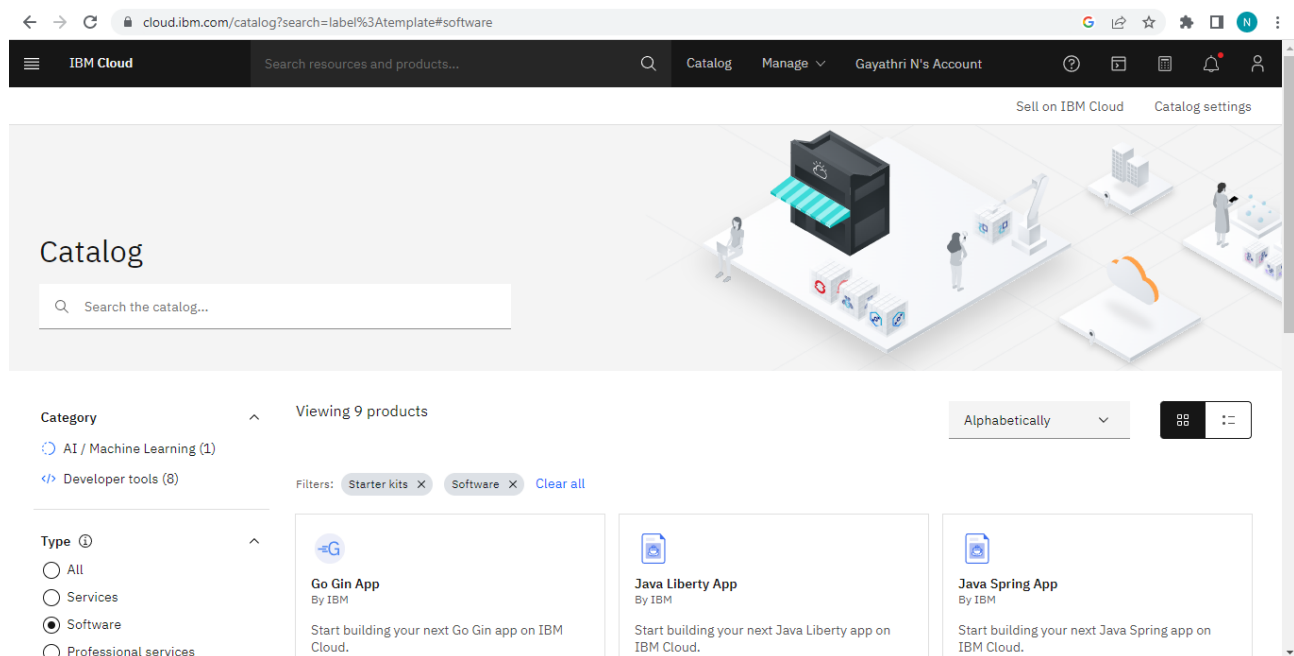
TEAM ID: PNT2022TMID05193

PROJECT NAME: Smart Waste Management System For Metropolitan Cities

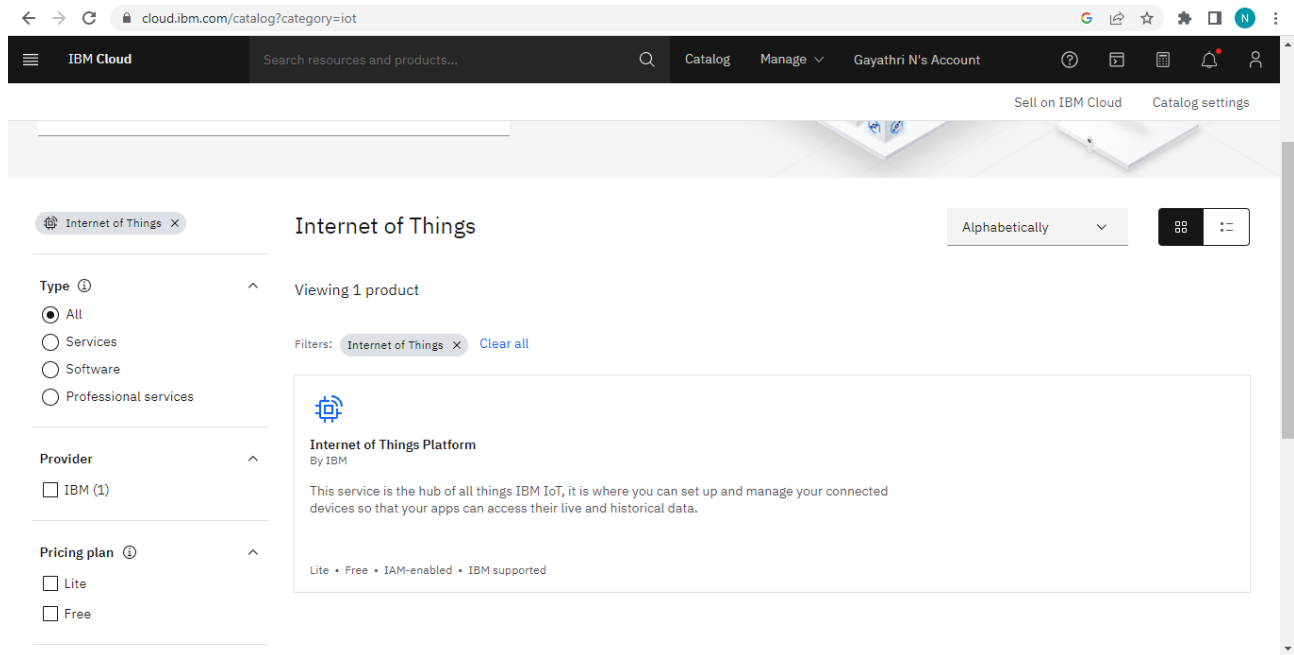
AIM: To create the IBM Watson IOT platform and device

STEPS:

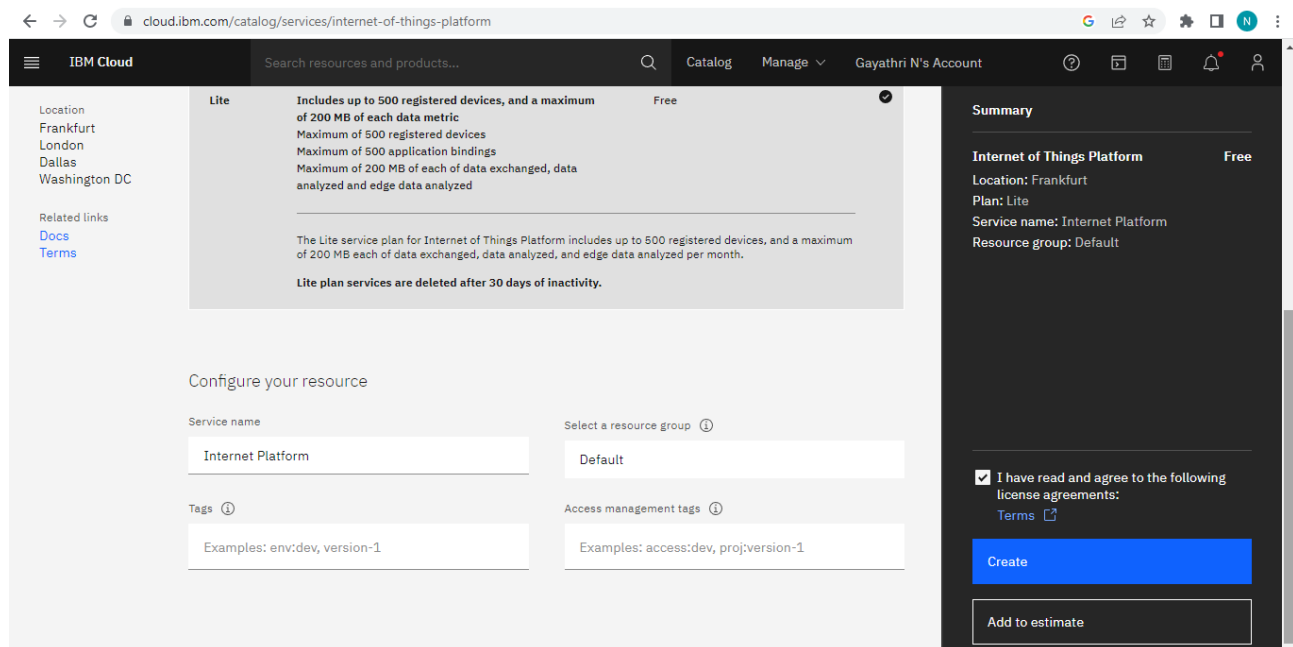
1. Firstly create an IBM cloud account with IBM id and password
2. Home page of IBM cloud.
3. Click on the catalog on the top.



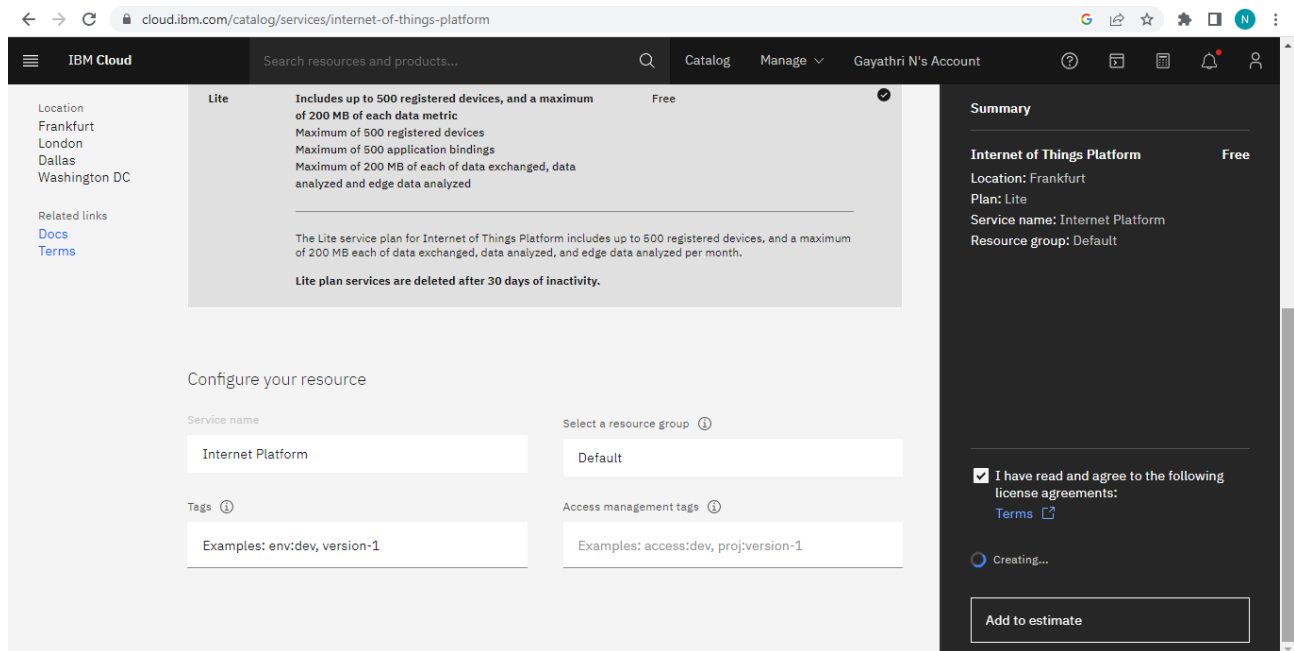
4. Click on IOT in the category mentioned



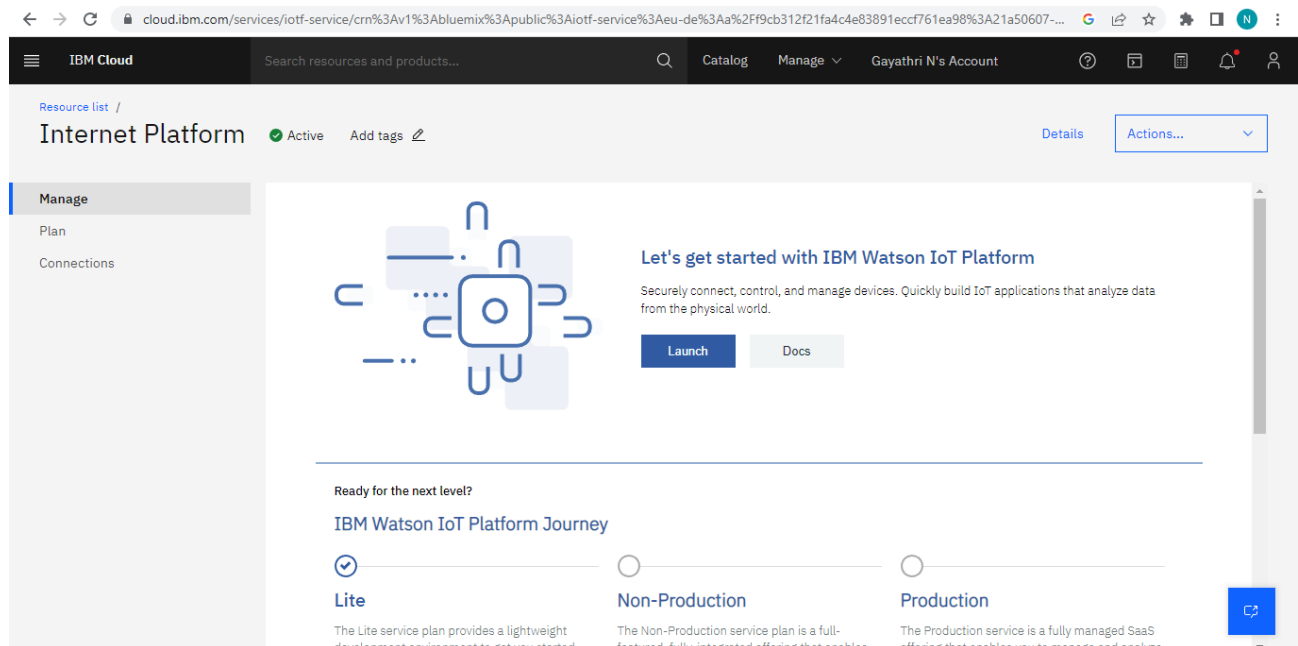
5. If already a lite is present delete it else u can't create another



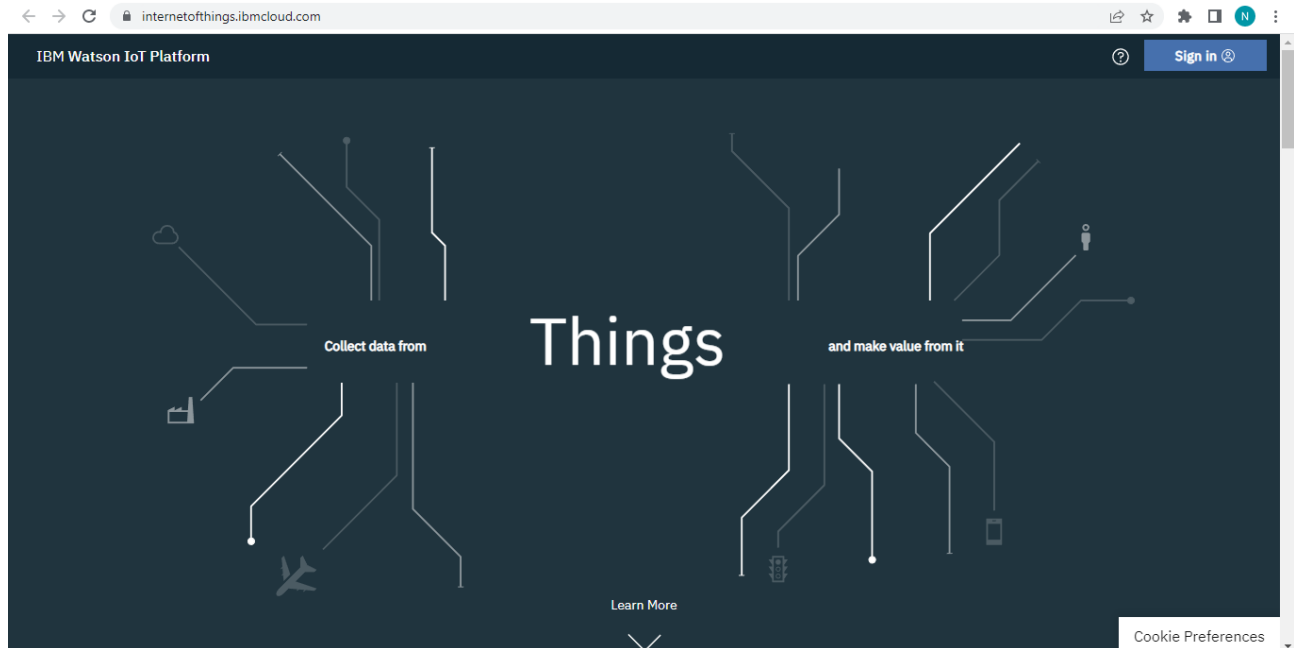
6. After providing the service name. Click on “CREATE”.



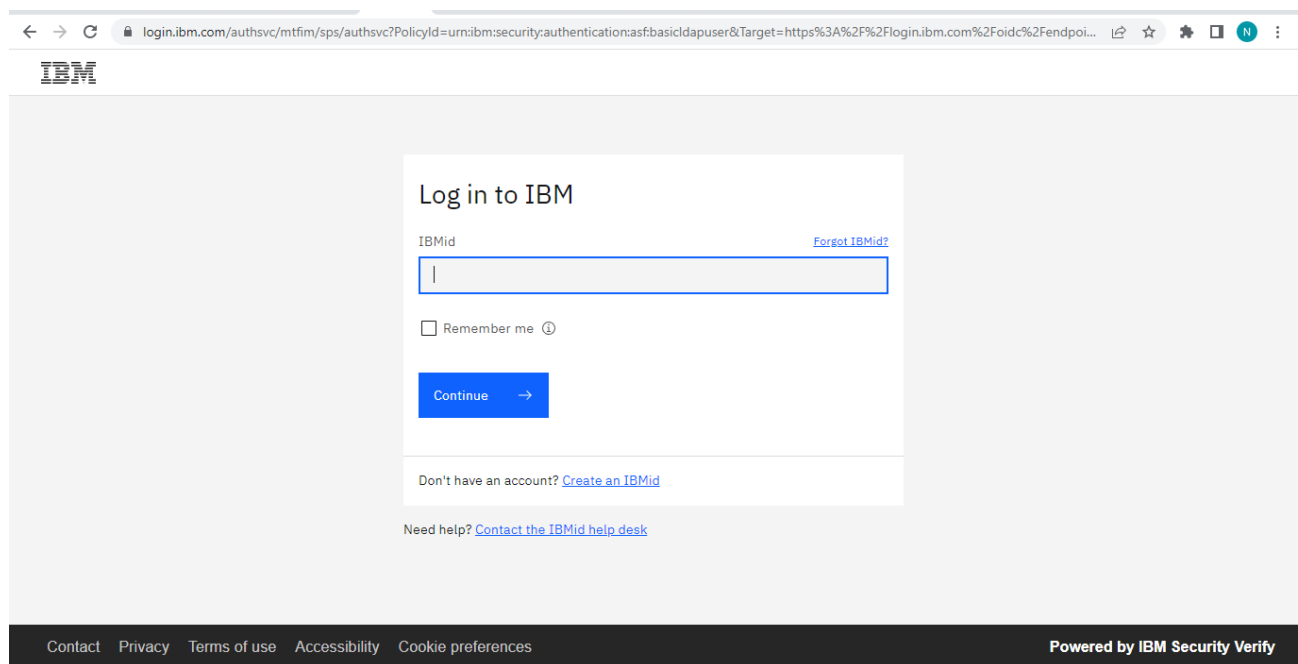
7. Internet of Things Platform Child safety will be created, where there are different options like manage, plan, and connection (manage is for launch, Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IOT with other services)



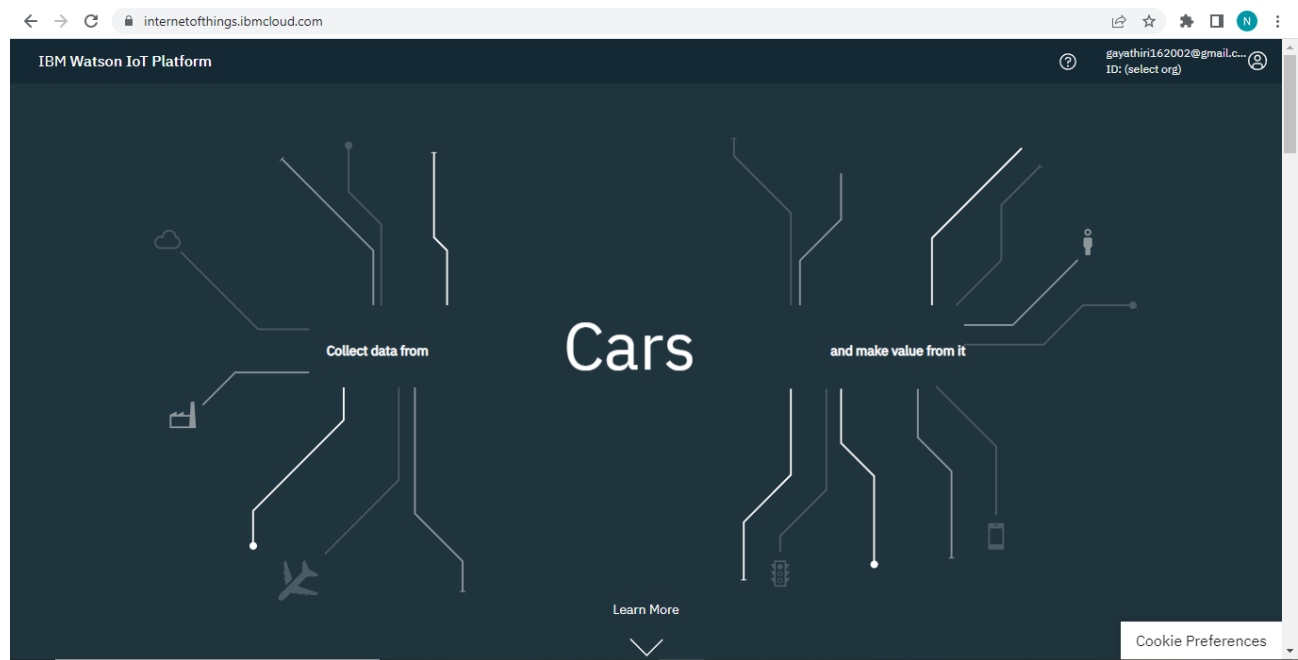
8. Clicking on the launch button in the manage tab, it will open to this



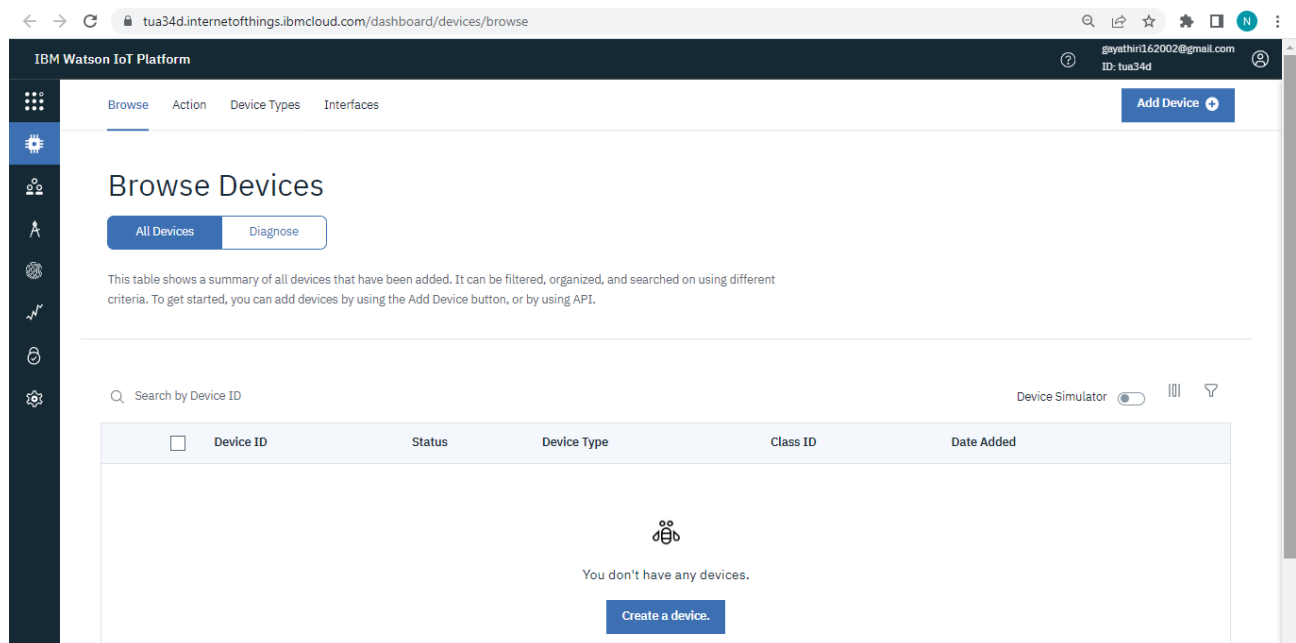
9. Enter the details to sign in to the Watson Cloud to create a device



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



11. 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.



12. Go to devices in the general settings.

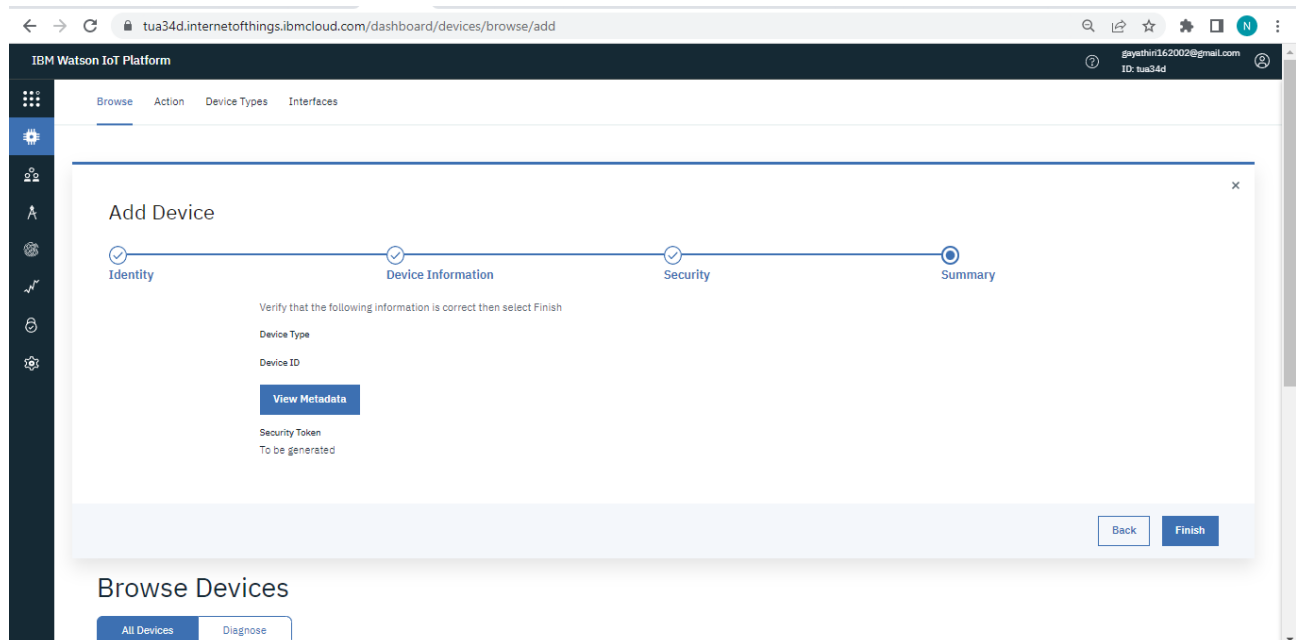
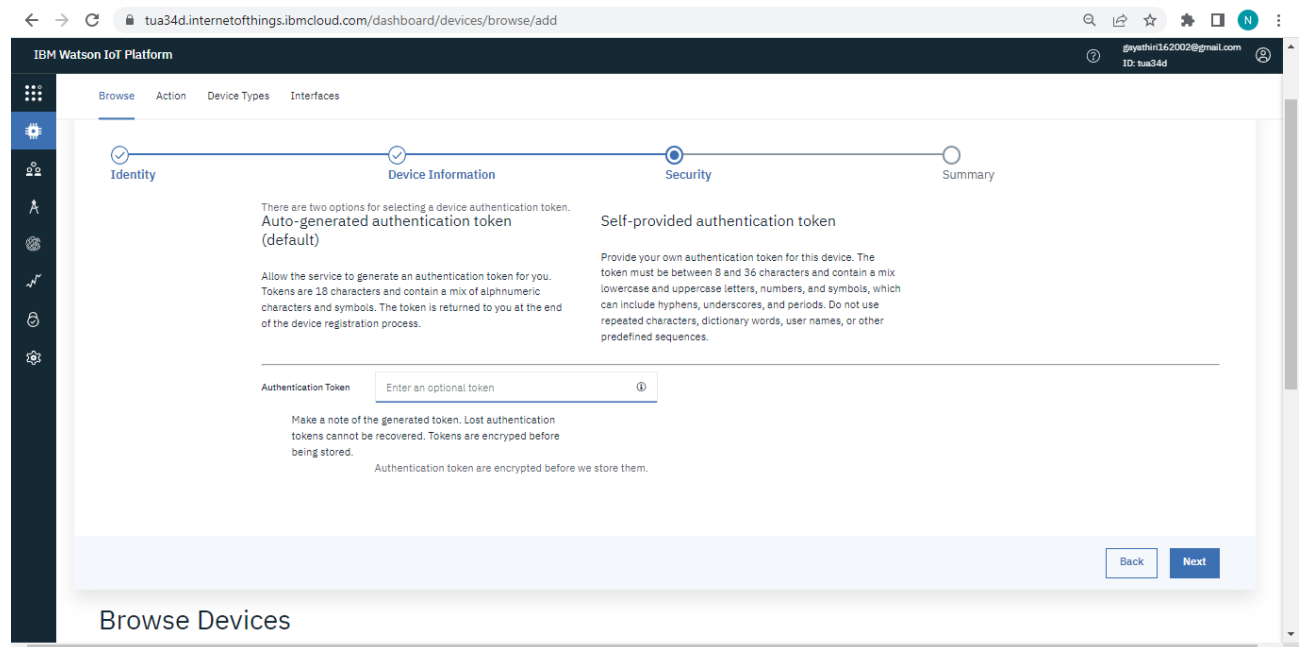
13. Click on create a device.

14. In a device type, provide a device that we going to do.

The screenshot shows the 'Add Device' dialog in the IBM Watson IoT Platform. The dialog has a progress bar with four steps: Identity (selected), Device Information, Security, and Summary. Below the progress bar, there is a text prompt: 'Select a device type for the device that you are adding and give the device a unique ID.' There are two input fields: 'Device Type' with a dropdown menu showing 'Select or create a device type...' and 'Device ID' with a text input field showing 'Enter Device ID'. At the bottom right, there are 'Cancel' and 'Next' buttons. Below the dialog, the 'Browse Devices' section is visible with 'All Devices' and 'Diagnose' buttons.

15. In a device, device information, security and summary all are optional.

The screenshot shows the 'Add Device' dialog in the IBM Watson IoT Platform, now on the 'Device Information' step. The progress bar shows 'Identity' as completed and 'Device Information' as the current step. Below the progress bar, there is a text prompt: 'You can modify the default device information and enter more information about the device for identification purposes.' There are two columns of input fields. The left column contains: 'Serial Number' (text input), 'Model' (text input), 'Description' (text input), and 'Hardware Version' (text input). The right column contains: 'Manufacturer' (text input), 'Device Class' (text input), 'Firmware Version' (text input), and 'Descriptive Location' (text input). At the bottom left of the input fields, there is an 'Add Metadata' button with a plus icon. At the bottom right, there are 'Back' and 'Next' buttons.



16. Device credential are one time created. So password should be saved.

← → ↻ tua34d.internetofthings.ibmcloud.com/dashboard/devices/drilldown/NodeRed:123456?returnTo=/devices/browse

IBM Watson IoT Platform

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ID: tua34d

← Back

Device Drilldown - 123456

Device Credentials

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

Device Credentials

You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details.

Organization ID	tua34d
Device Type	NodeRed
Device ID	123456
Authentication Method	use-token-auth
Authentication Token	OwFWqePjJJV-6cAX94c

⚠ Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.

[Find out how to add these credentials to your device](#)

← → ↻ tua34d.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

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Browse Action Device Types Interfaces

[Add Device](#)

Q Search by Device ID

Device Simulator ☐

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	
<input checked="" type="checkbox"/>	123456	Disconnected	NodeRed	Device	Nov 14, 2022 12:06 AM	→ ...

Identity Device Information Recent Events State Logs

Device ID 123456

Device Type NodeRed

Date Added Nov 14, 2022 12:06 AM

Added By gayathiri162002@gmail.com

Connection Status Disconnected

Items per page 50 | 1-1 of 1 item

1 of 1 page

Windows Ink Workspace