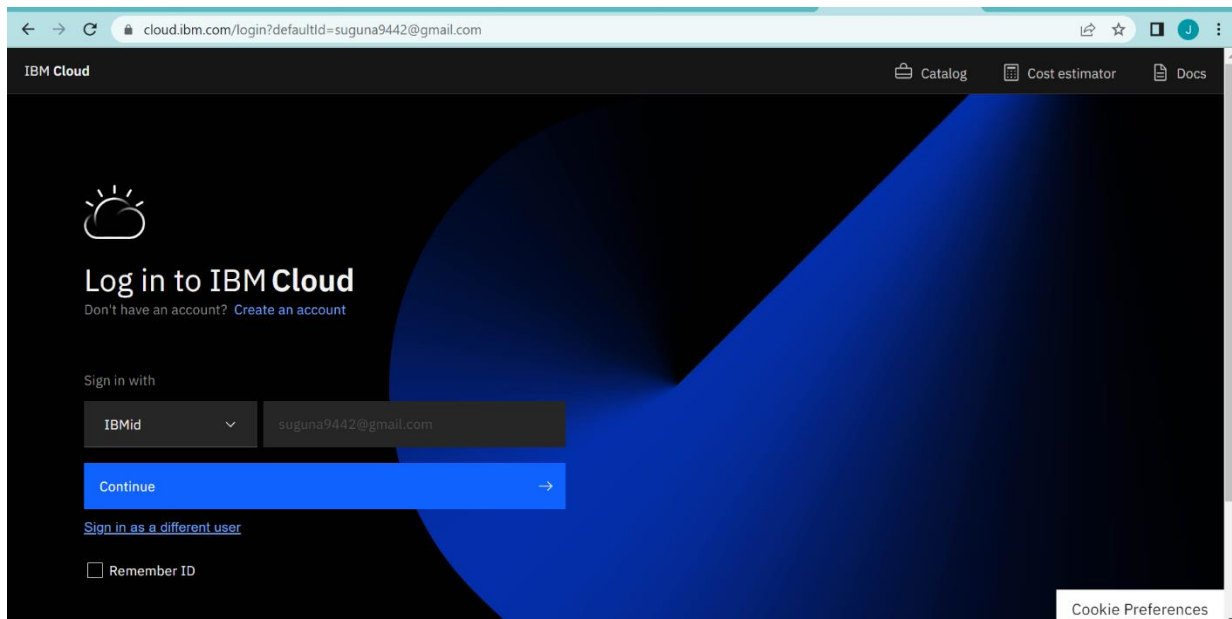


CREATE IBM WATSON IOT PLATFORM AND DEVICE

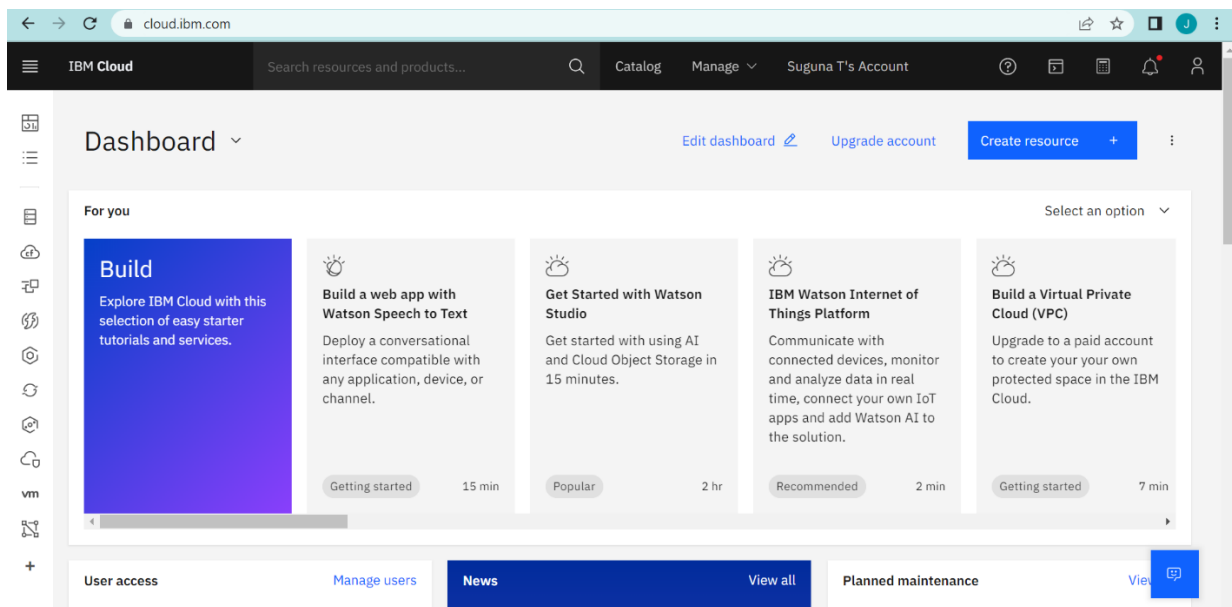
| | |
|----------------------|---|
| Date | 17-11-2022 |
| Team ID | PNT2022TMID12351 |
| Project Name | Project - IOT based safety gadget for child safety monitoring and notification |
| Maximum Marks | 4 Marks |

STEPS:

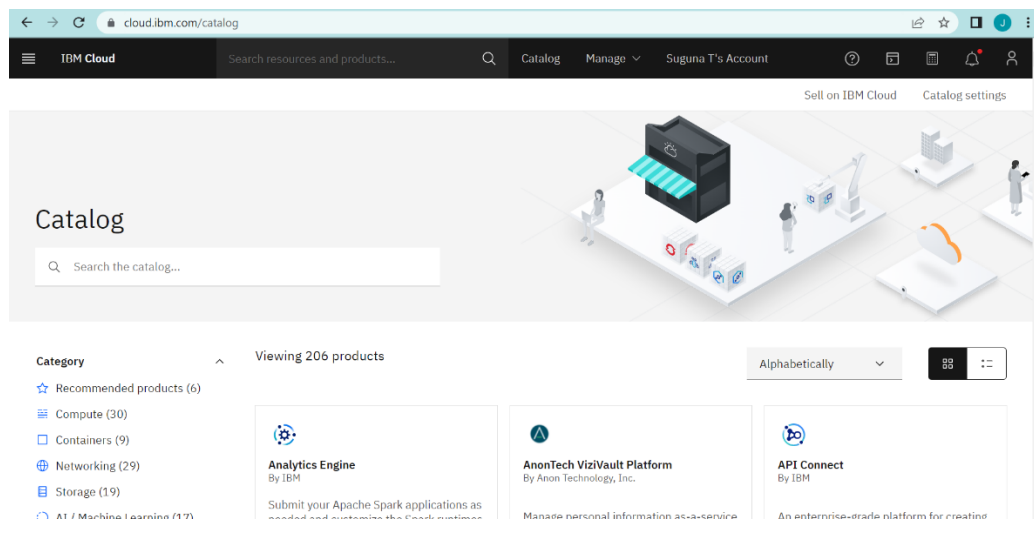
1. First create an IBM cloud account with IB Mid and password



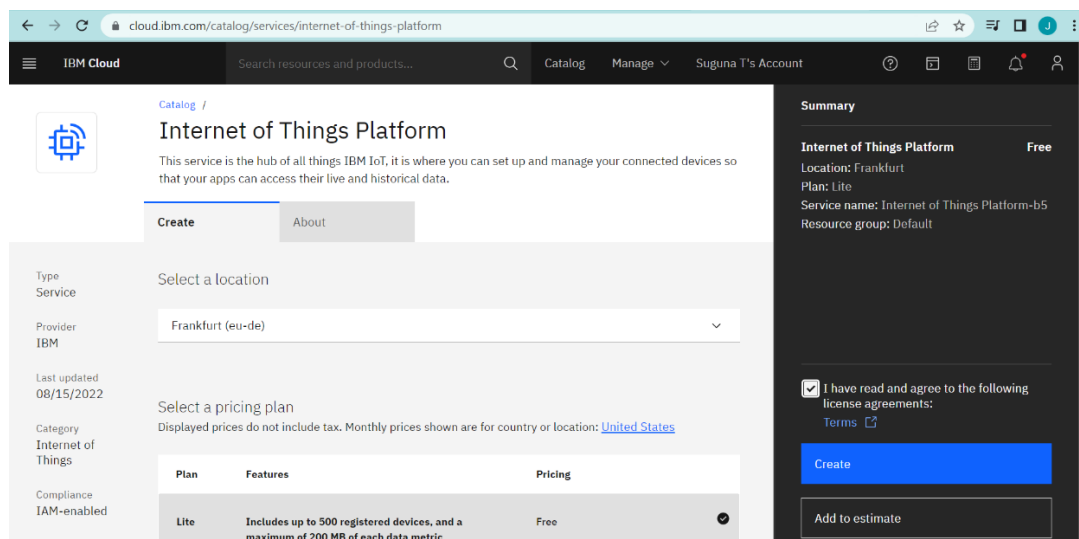
2. Home page of IBM cloud



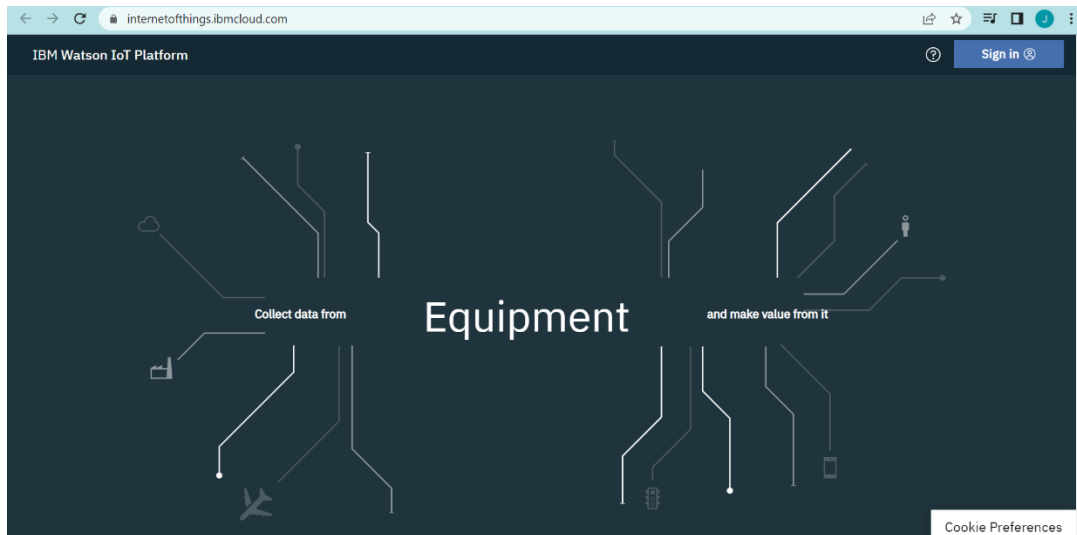
3. Click on the catalog on the top. Search for INTERNET OF THINGS PLATFORM



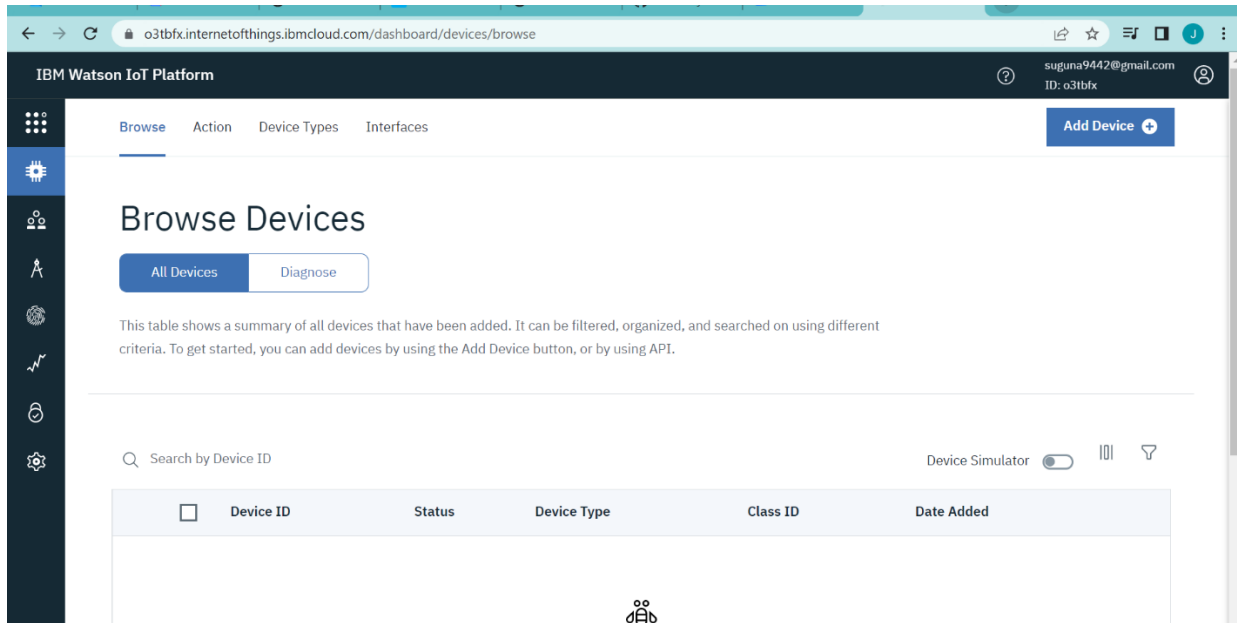
4. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create



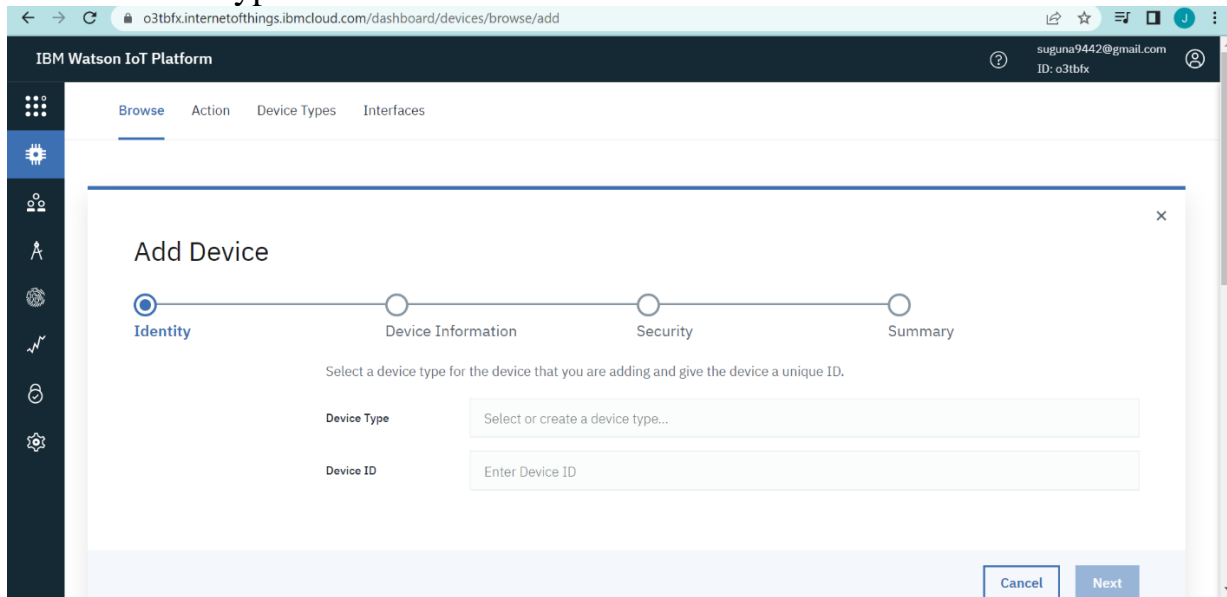
5. Now you need to sign in. Enter the details to sign in to the Watson Cloud to create a device.



6. 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



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



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

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The progress bar indicates four steps: Identity (completed), Device Information (current), Security, and Summary. The 'Device Information' step contains a form with the following fields:

| Field | Input |
|----------------------|----------------------------|
| Serial Number | Enter Serial Number |
| Model | Enter Model |
| Description | Enter Description |
| Hardware Version | Enter Hardware Version |
| Manufacturer | Enter Manufacturer |
| Device Class | Enter Device Class |
| Firmware Version | Enter Firmware Version |
| Descriptive Location | Enter Descriptive Location |

At the bottom left of the form is a button labeled 'Add Metadata +'. A note above the form states: 'You can modify the default device information and enter more information about the device for identification purposes.'

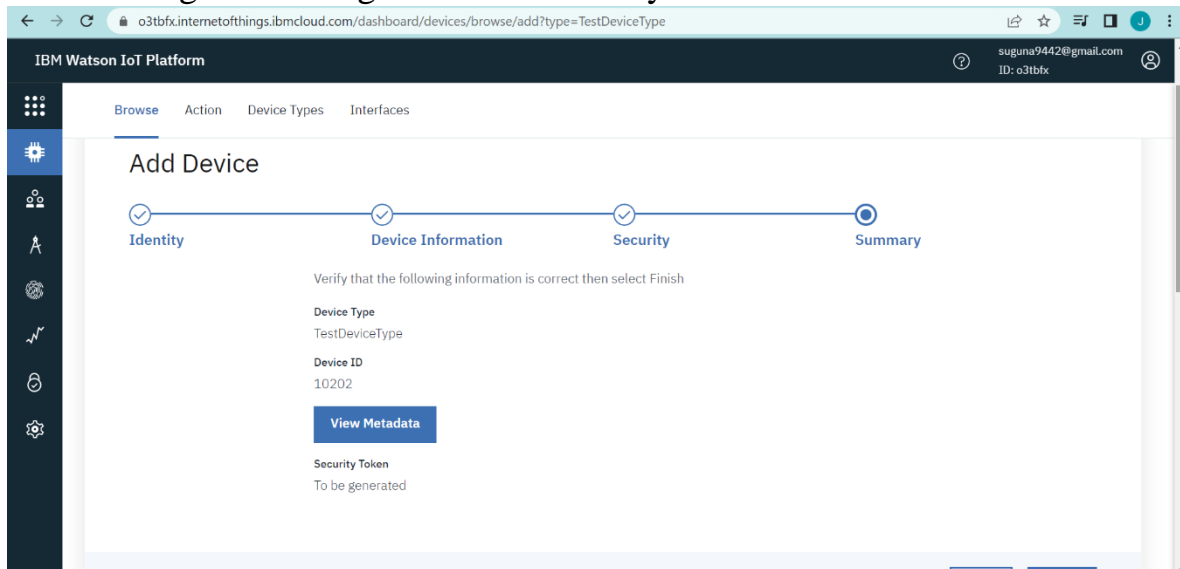
9. Clicking next it goes to the security where we do authentication token id.

The screenshot shows the 'Add Device' wizard at the 'Security' step. The progress bar shows Identity and Device Information as completed, Security as the current step, and Summary as the next step. The page presents two options for selecting a device authentication token:

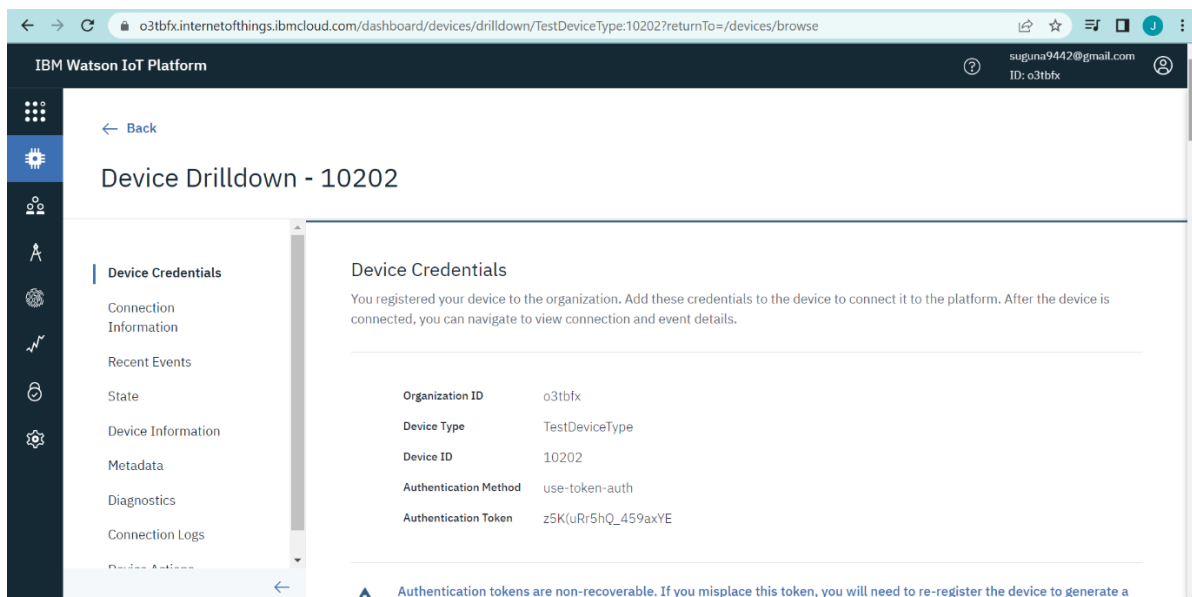
- Auto-generated authentication token (default)**: 'Allow the service to generate an authentication token for you. Tokens are 18 characters and contain a mix of alphanumeric characters and symbols. The token is returned to you at the end of the device registration process.'
- Self-provided authentication 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.'

Below these options is an 'Authentication Token' input field with the placeholder text 'Enter an optional token'. A note at the bottom states: 'Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.'

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



11. The device credentials will be displayed with all the details. Save the details of the device as the authentication tokens are non-recoverable and if misplaced then we have to create a new one.



12. 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

IBM Watson IoT Platform

o3tbfx.internetofthings.ibmcloud.com/dashboard/devices/browse

suguna9442@gmail.com
ID: o3tbfx

Browse Action Device Types Interfaces

Add Device +

Browse Devices

All Devices Diagnose

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 Simulator ☐

| <input type="checkbox"/> | Device ID | Status | Device Type | Class ID | Date Added |
|----------------------------|-----------|--------------|----------------|----------|-------------------|
| > <input type="checkbox"/> | 10202 | Disconnected | TestDeviceType | Device | 17 Nov 2022 20:13 |

Items per page 50 | 1-1 of 1 item

1 of 1 page < 1 >