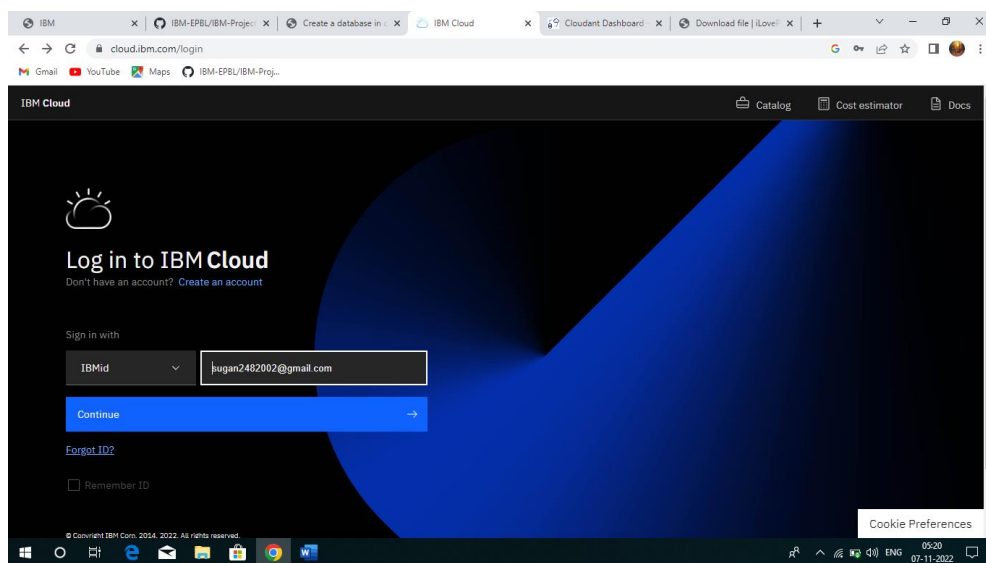


CREATE IBM WATSON IoT PLATFORM AND DEVICE

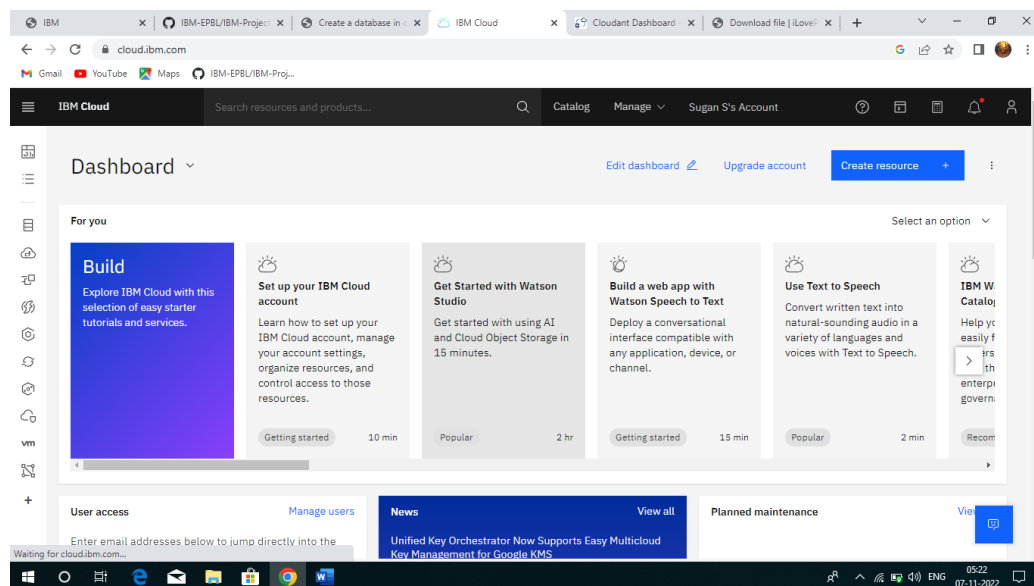
Team ID	PNT2022TMID35146
Project Name	IoT based safety gadget for child safety monitoring and notification

STEPS:

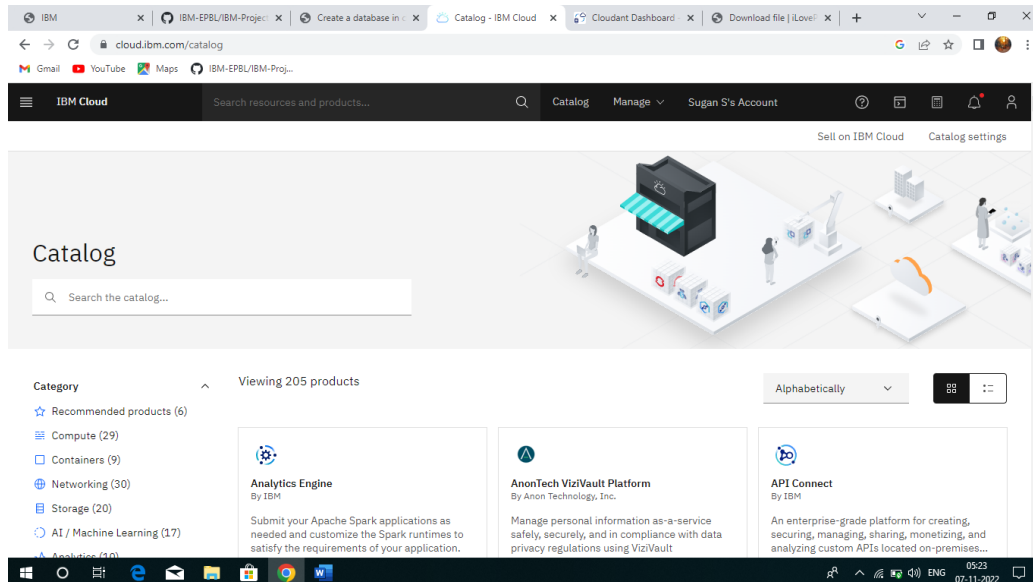
1. First create an IBM cloud account with IBMId and password



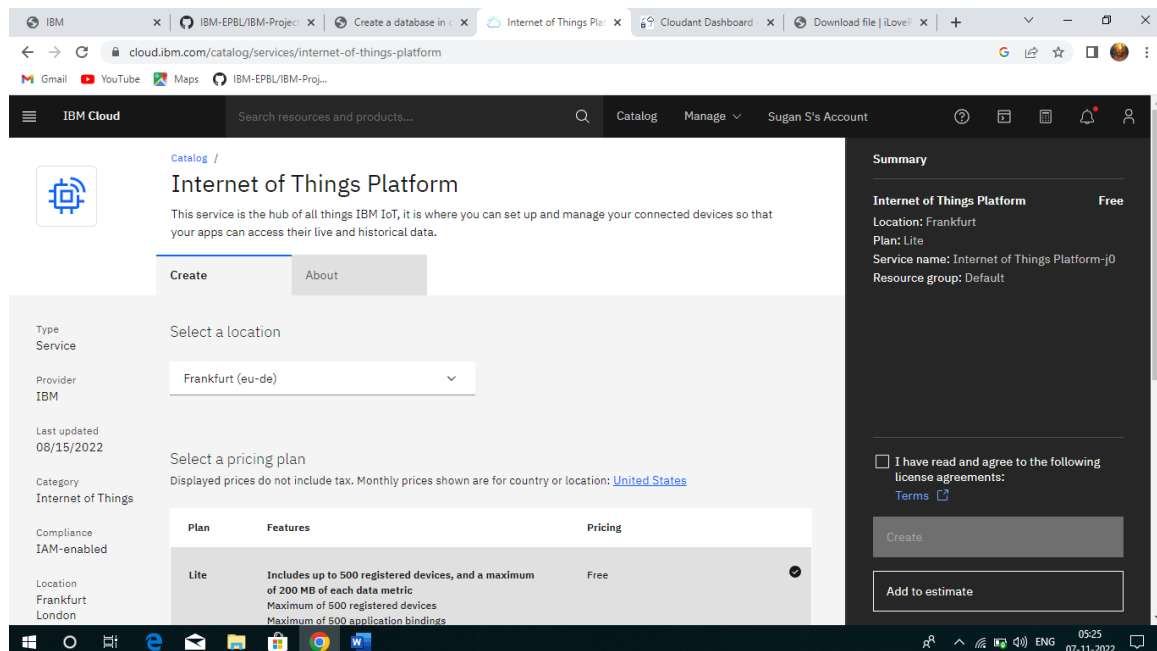
2. Home page of IBM cloud



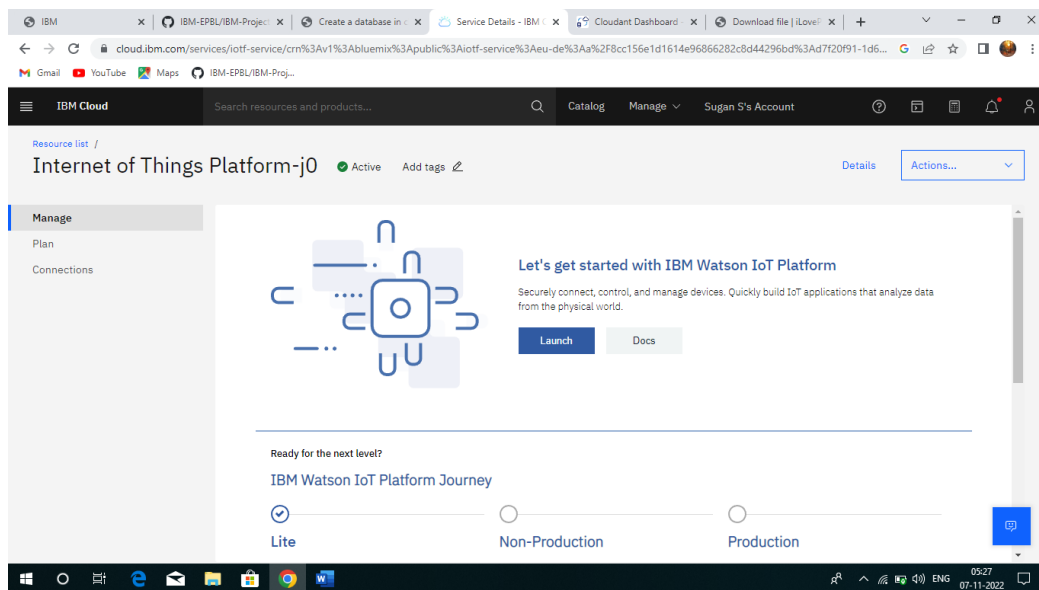
3. Click on the catalog on the top. Search for INTERNET OF THINGS PLATFORM



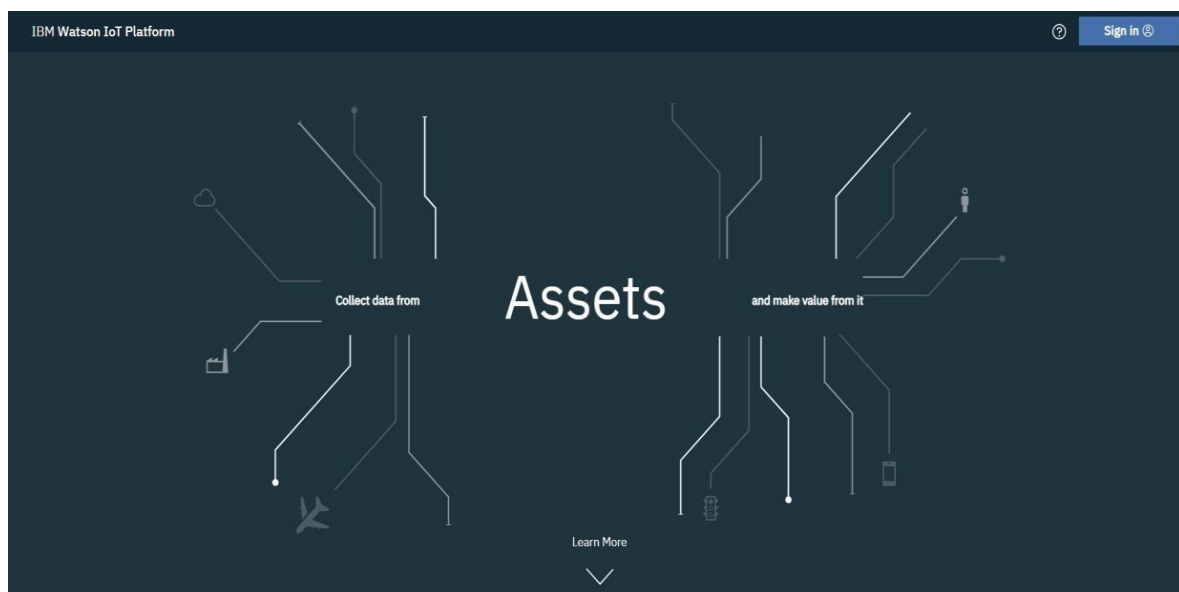
4. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create.



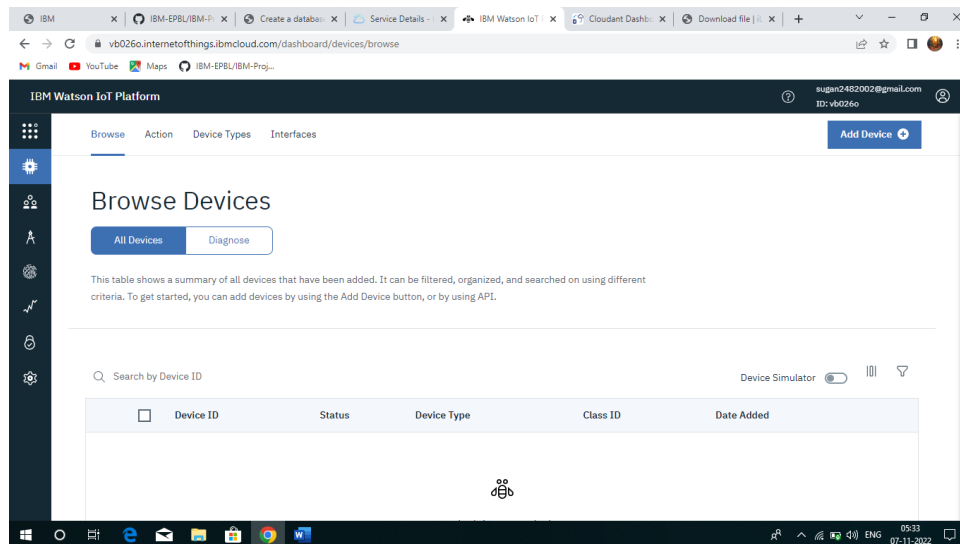
5. Internet of Things Platform Child safety will be created, where there are different options like manage, plan, and connection (manage is for launch, Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services). Click on launch.



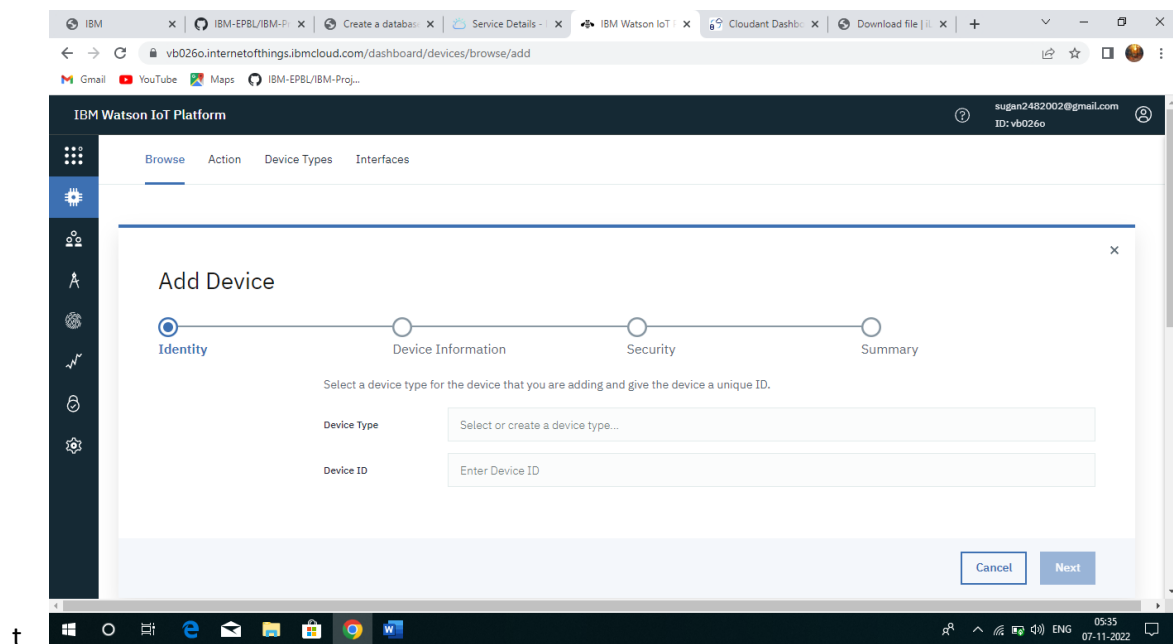
6. Now you need to sign in. Enter the details to sign in to the Watson Cloud to create a device.



7. 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.



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



9. 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 the current step is 'Device Information'. The page contains several input fields for device details:

Field	Input Type
Serial Number	Text input
Model	Text input
Description	Text input
Hardware Version	Text input
Manufacturer	Text input
Device Class	Text input
Firmware Version	Text input
Descriptive Location	Text input

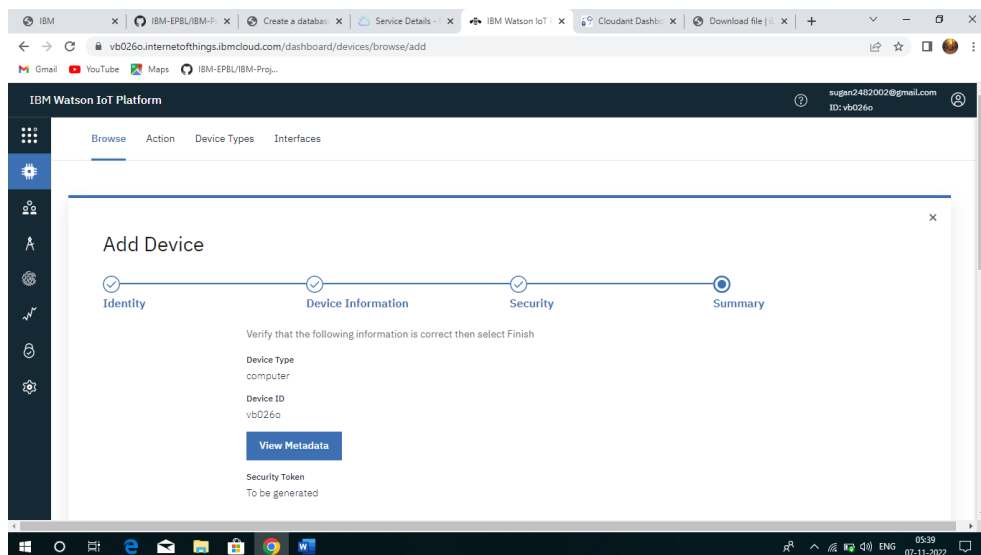
10. Clicking next it goes to the security where we do authentication token id.

The screenshot shows the 'Security' step of the 'Add Device' wizard. It presents two options for selecting a device authentication token:

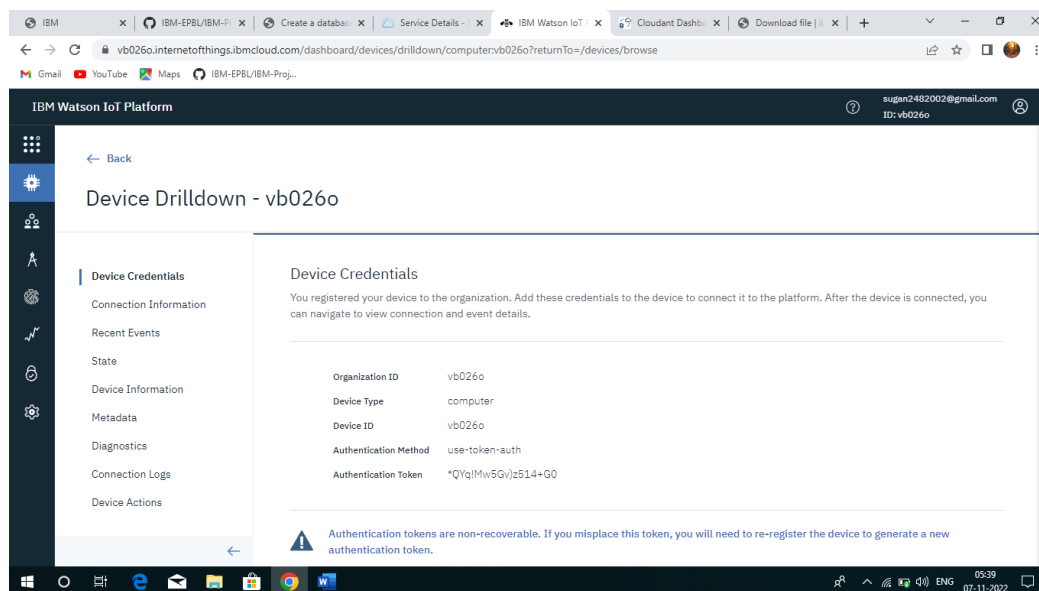
- Auto-generated authentication token (default):** Allows the service to generate an authentication token for you. Tokens are 18 characters and contain a mix of alphanumeric characters and symbols. The token is returned to you at the end of the device registration process.
- Self-provided authentication 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 the options is an input field for the 'Authentication Token' with a placeholder 'Enter an optional token' and a help icon. A note states: '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.'

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



12. 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.



13. 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

813819106079@umartinternz.com
ID: 7np7gl

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

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
>	1234	Disconnected	iot	Device	Nov 5, 2022 1:48 PM	
>	23120	Disconnected	rasberrypi	Device	Oct 20, 2022 10:59 AM	

Items per page: 50 | 1-2 of 2 items

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