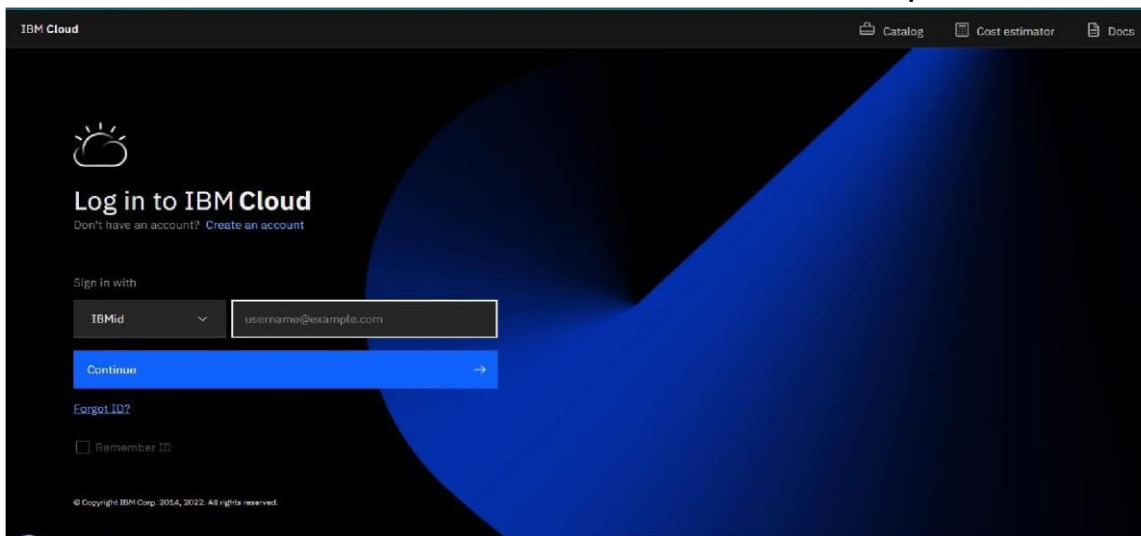


CREATE IBM WATSON IOT PLATFORM AND DEVICE

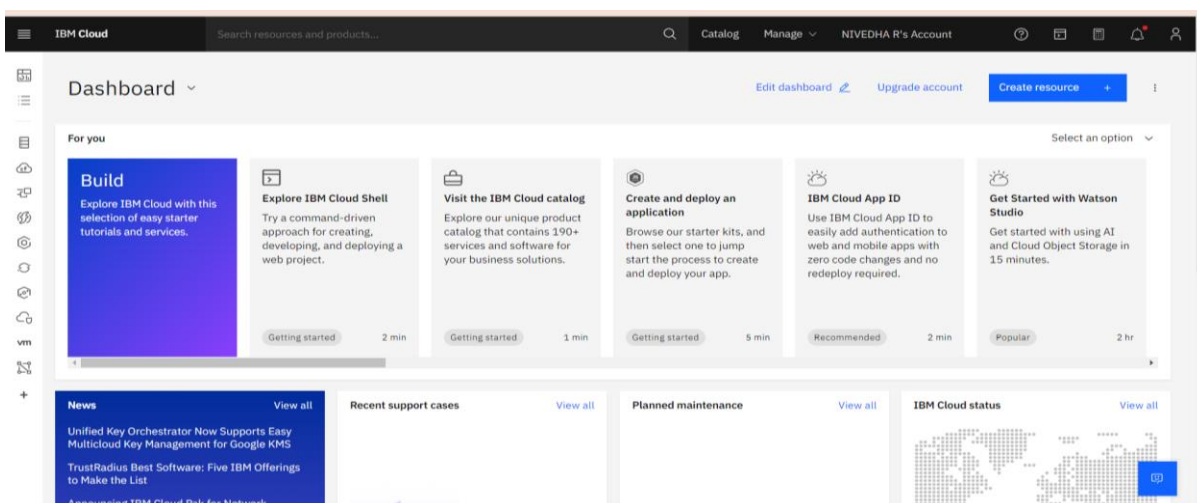
Team ID	PNT2022TMID32775
Project Name	Project - IOT based safety gadget for child safety monitoring and notification

STEPS:

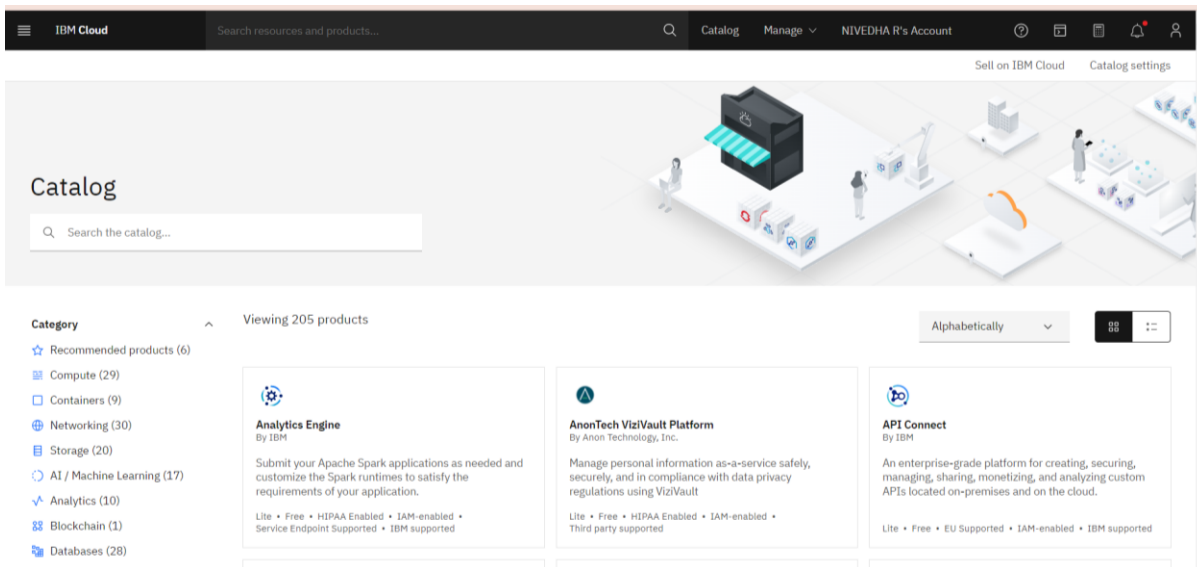
1. First create an IBM cloud account with IBMid and password



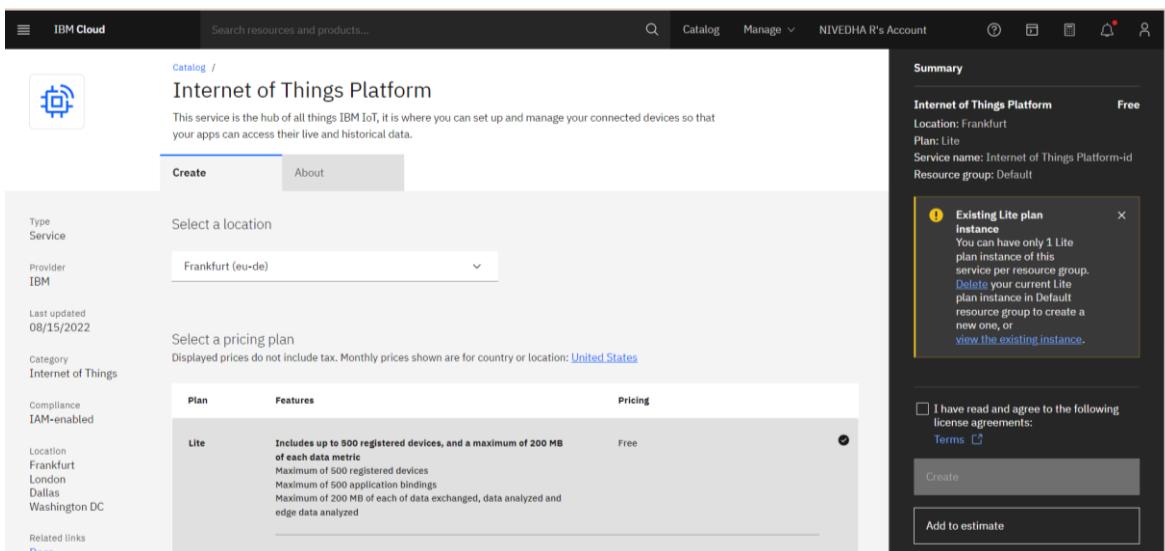
2. Home page of IBM cloud



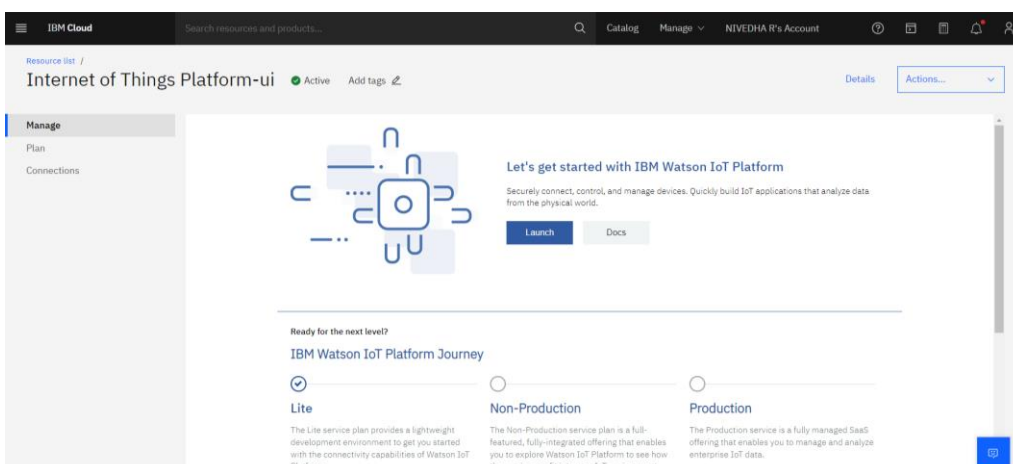
3. Click on the catalog on the top. Search for INTERNET OF THINGS PLATFORM



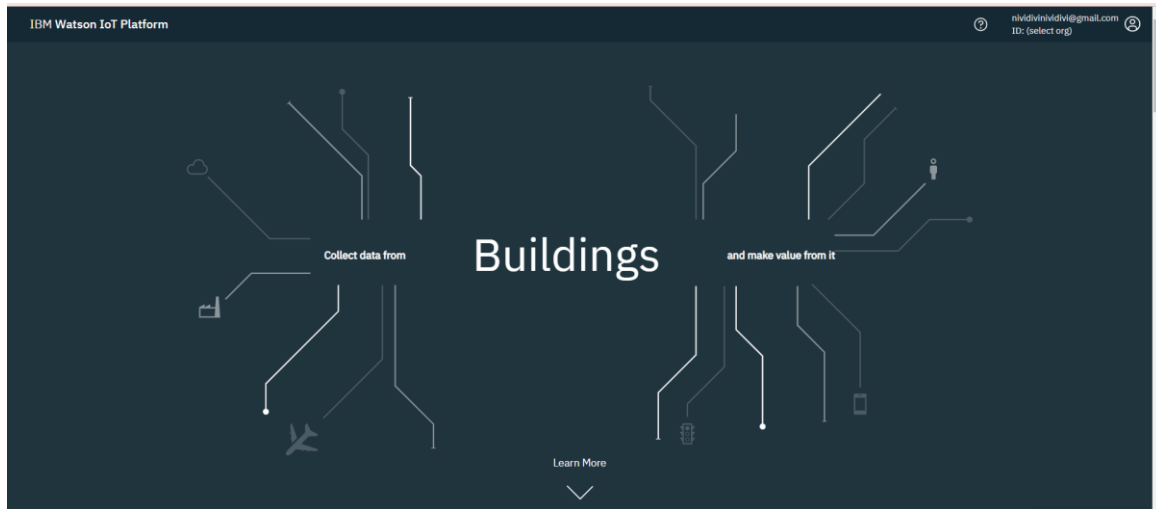
4. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create



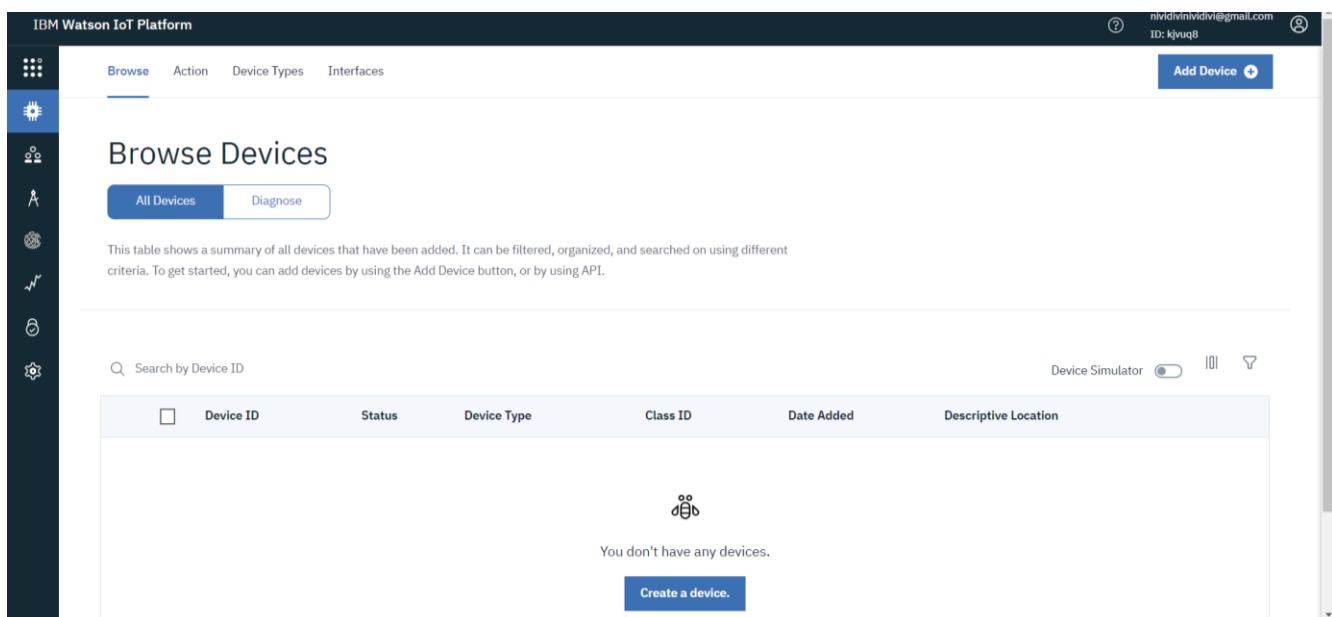
5. Internet of Things Platform Child_safety will be created, where there are different options like manage, plan, and connection (manage is for launch, Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services). Click on launch.



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



- 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



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

IBM Watson IoT Platform

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ID: kjuq8

Browse Action Device Types Interfaces

Add Device

Identity Device Information Security Summary

Select a device type for the device that you are adding and give the device a unique ID.

Device Type

Device ID

Cancel Next

Browse Devices

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

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Browse Action Device Types Interfaces

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

Model

Description

Hardware Version

Manufacturer

Device Class

Firmware Version

Descriptive Location

Add Metadata +

Back Next

Browse Devices

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

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Browse Action Device Types Interfaces

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.

Authentication Token

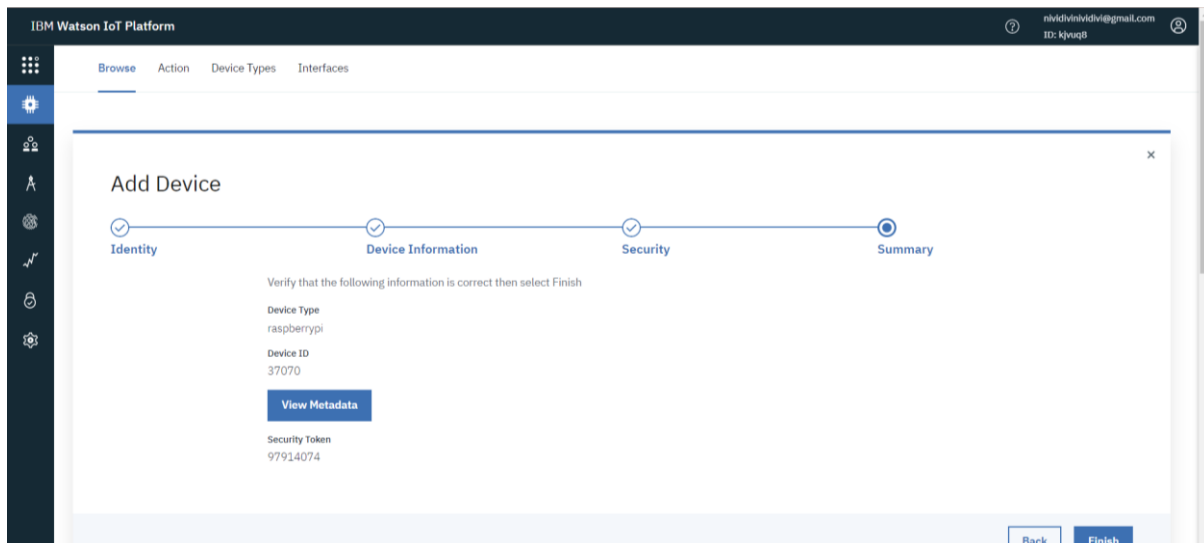
Self-provided authentication token

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.

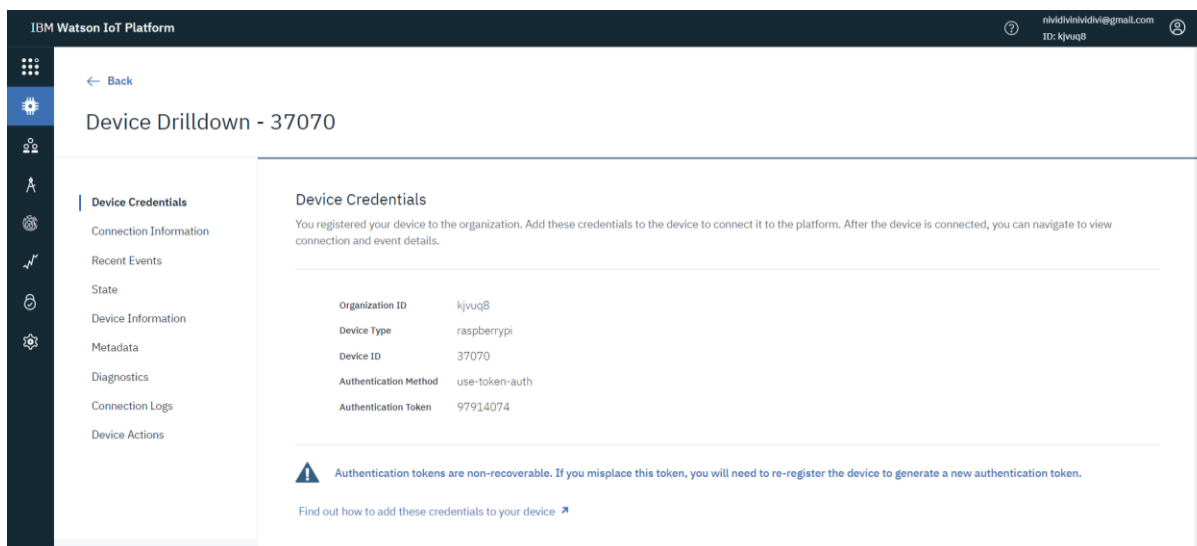
Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.

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. Safe 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

All Devices Diagnose

🔍 Search by Device ID

Device Simulator ☒ 101

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	37070	Disconnected	raspberrypi	Device	5 Nov 2022 6:47 PM	
Items per page 50 ▾ 1–1 of 1 item						1 of 1 page < 1 ▾ >