

Pre Requisites

Project Title	SmartFarmer – IoT Enabled Smart Farming Application
Team ID	PNT2022TMID22142
Content	IBM Cloud Service

STEP 1:

Type IBM Cloud in Google and click on the first link.

The screenshot shows a Google search interface with the query "ibm cloud" in the search bar. The search results show approximately 22,300,000 results in 0.49 seconds. The first result is an advertisement for IBM Cloud, with the URL <https://www.ibm.com/cloud/computing>. The ad text states: "IBM Cloud is the **cloud** for smarter business trusted by thousands of global enterprises. Learn how you can provide reliable and continuous security for your **cloud** environment. Enterprise-Grade **Cloud**. Chat, Call, or Email **IBM**."

Below the ad, there are four links with descriptions:

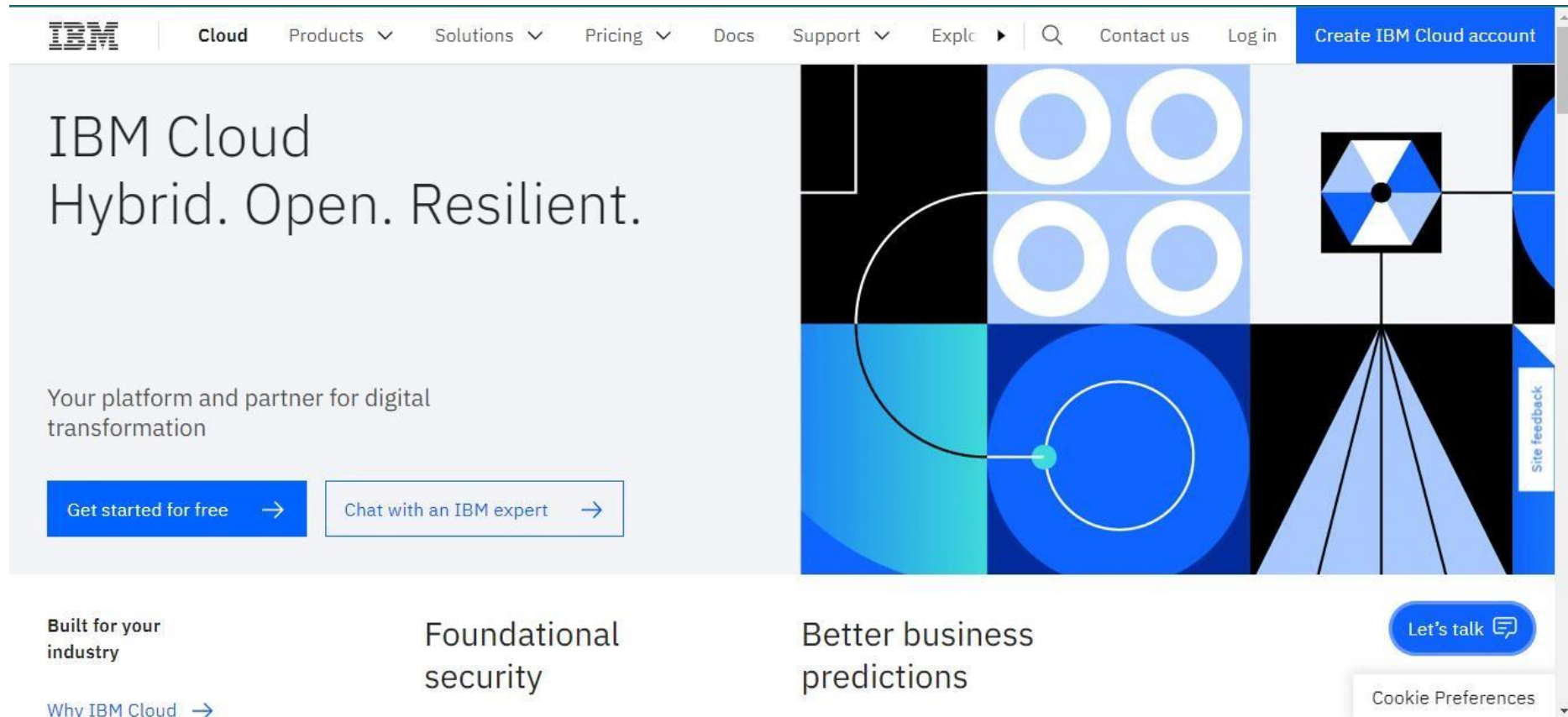
- Watson AI**: Bring AI Tools and Apps to Your Data Wherever It Resides.
- IBM Let's Create**: Bringing Together the Technology & Expertise for a New Way to Create.
- Chat with IBM Sales**: Chat, Call, or Email IBM To Discuss Your Business Needs Today.
- Modernise Hybrid Cloud**: Let's Create Cloud Management That Requires Less Management.

On the right side of the search results, there is a knowledge panel for "IBM cloud computing". It includes the IBM Cloud logo, a diagram of cloud services and workloads, and a list of services: Cloud services and workloads, Cloud management, Private cloud, hybrid, and multi-cloud, Hybrid cloud, and Physical hardware. Below the diagram, it says "More images". The panel also includes the text "IBM cloud computing" and "Computer software". At the bottom, it states: "IBM cloud computing is a set of cloud computing services for business offered by the information technology company IBM. Wikipedia".

At the bottom left of the screenshot, there is a status bar that says "Waiting for www.google.com..."

STEP 2:

Click on create IBM Cloud Account Now and enter the details.



The screenshot shows the IBM Cloud website homepage. The top navigation bar includes the IBM logo, links for Cloud, Products, Solutions, Pricing, Docs, Support, Explore, a search icon, Contact us, Log in, and a prominent blue button labeled "Create IBM Cloud account". The main hero section features the text "IBM Cloud Hybrid. Open. Resilient." and "Your platform and partner for digital transformation". Below this are two buttons: "Get started for free" and "Chat with an IBM expert". To the right is a large abstract graphic with blue, black, and white geometric shapes. At the bottom, there are three columns: "Built for your industry" with a "Why IBM Cloud" link, "Foundational security", and "Better business predictions". A "Let's talk" chat button and a "Cookie Preferences" link are located in the bottom right corner.

IBM Cloud
Hybrid. Open. Resilient.

Your platform and partner for digital transformation

Get started for free → Chat with an IBM expert →

Built for your industry
Why IBM Cloud →

Foundational security

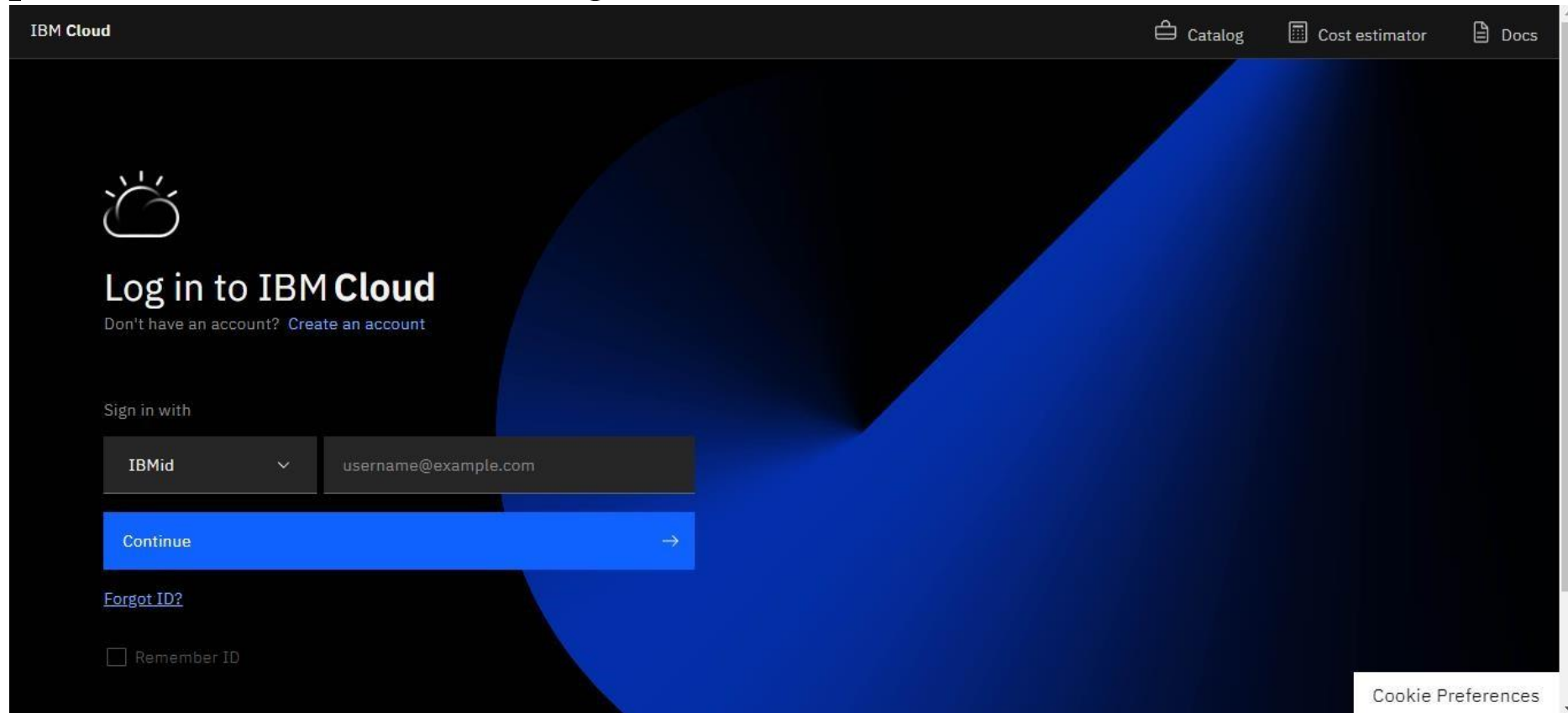
Better business predictions

Let's talk

Cookie Preferences

STEP 3:

You will get the email with your password. Type your mail Id and the password then click on the login button.

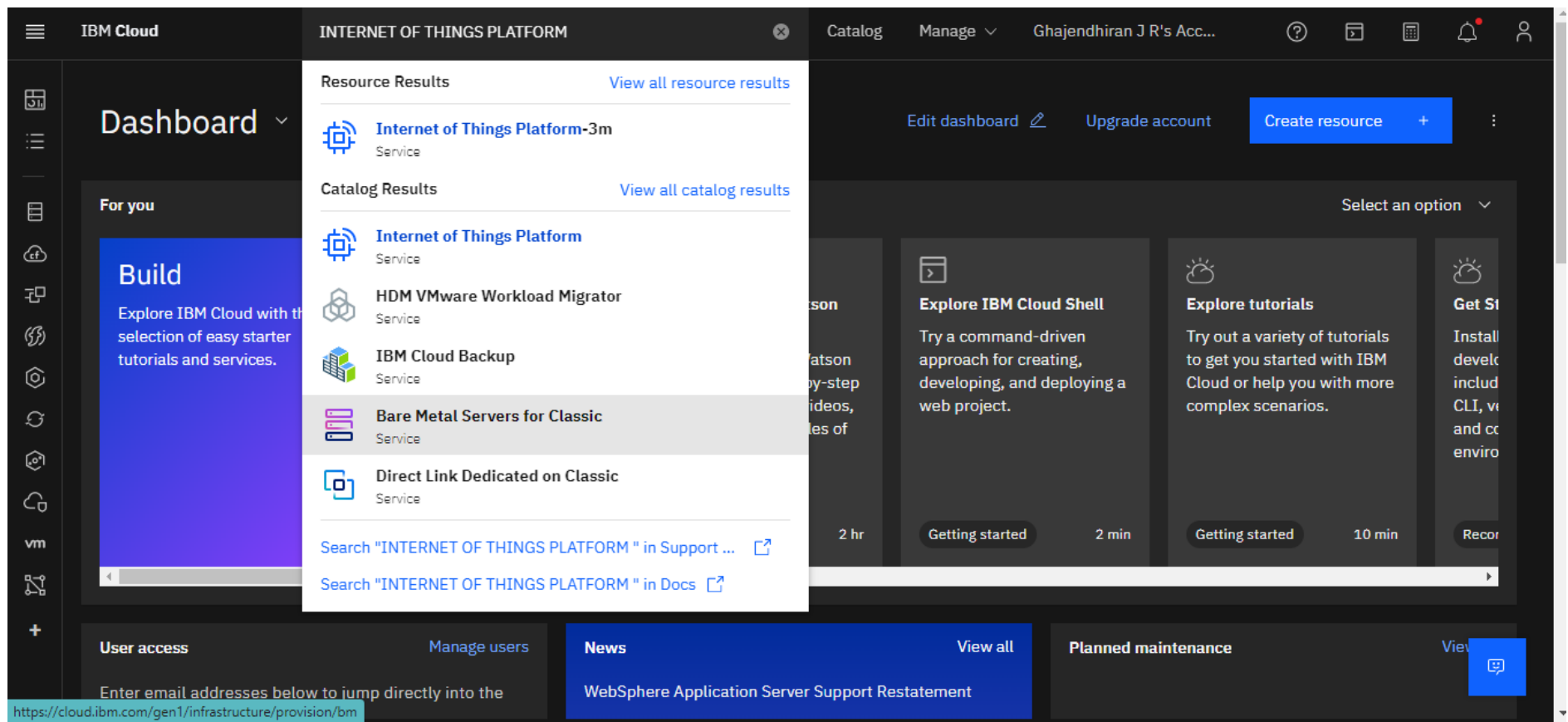


The screenshot shows the IBM Cloud login interface. At the top, there is a dark navigation bar with the 'IBM Cloud' logo on the left and links for 'Catalog', 'Cost estimator', and 'Docs' on the right. The main content area has a dark background with a large blue abstract shape. On the left, there is a cloud icon with sun rays, followed by the text 'Log in to IBM Cloud'. Below this, a link says 'Don't have an account? [Create an account](#)'. The 'Sign in with' section features a dropdown menu set to 'IBMid' and a text input field containing 'username@example.com'. A prominent blue 'Continue' button with a right-pointing arrow is positioned below the input field. At the bottom left, there is a link for '[Forgot ID?](#)' and a checkbox labeled 'Remember ID'. In the bottom right corner, a 'Cookie Preferences' button is visible.

STEP 4:

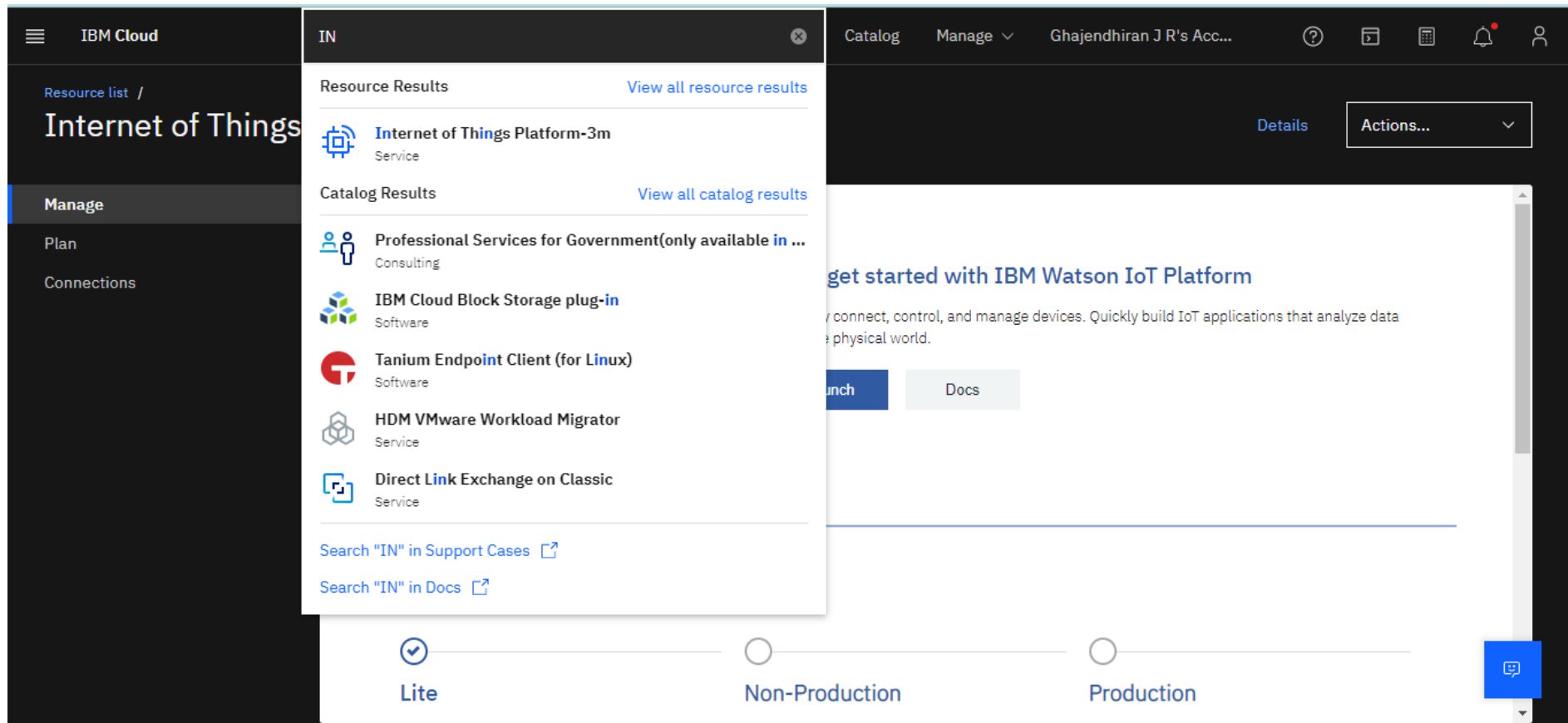
Now you are in Dashboard

From Dashboard you can now navigate IBM IoT Platform by searching in search bar.



STEP 5:

Click on Internet of Things Platform and then create your platform by clicking create. Note:- Change your location to London.



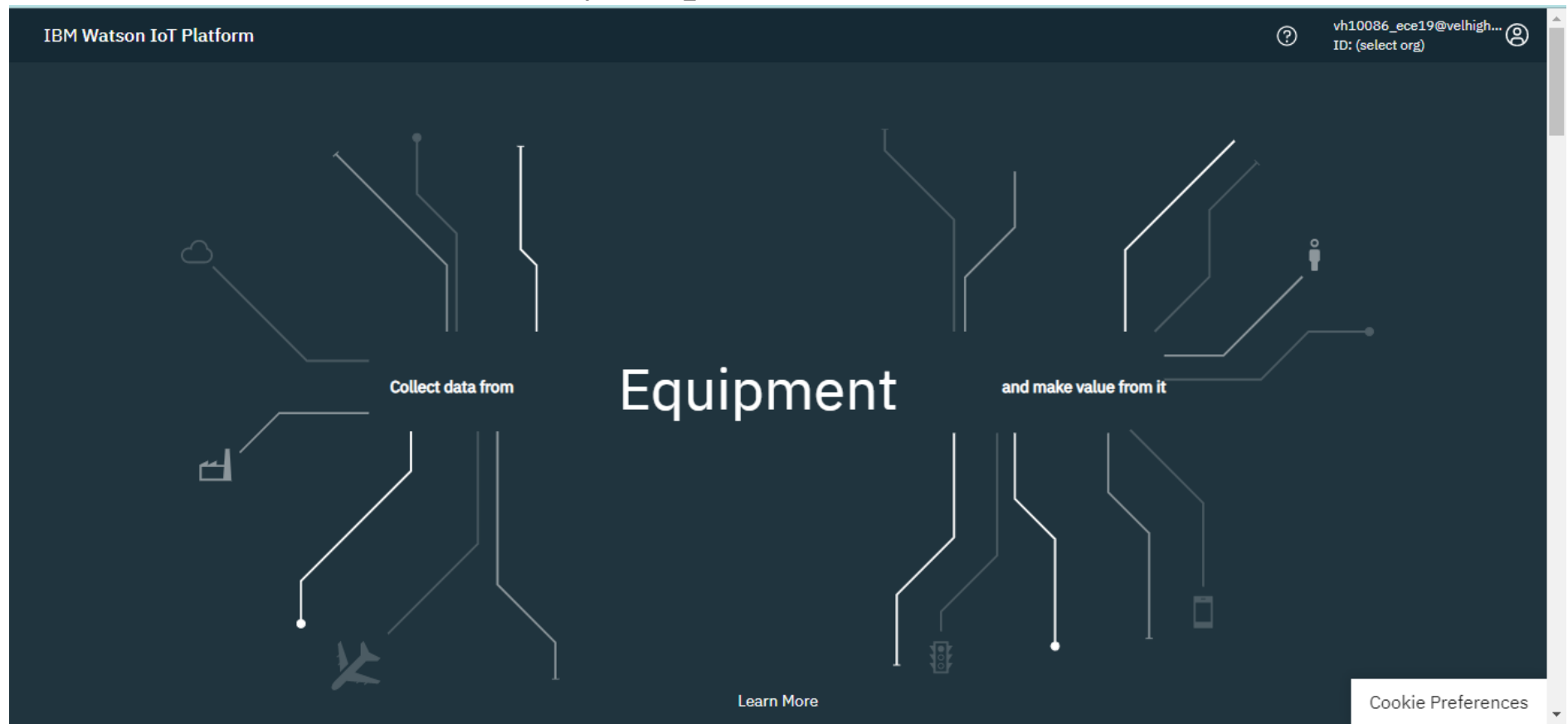
STEP 6:

Now Click Launch to launch your platform.

The screenshot displays the IBM Cloud console interface. At the top, there is a navigation bar with the IBM Cloud logo, a search bar, and links to 'Catalog', 'Manage', and the user's account. Below the navigation bar, the main content area is titled 'Internet of Things Platform-3m' with a status of 'Active' and an 'Add tags' link. A sidebar on the left contains the following options: 'Manage' (selected), 'Plan', and 'Connections'. The main content area features a large graphic of a central square with a circle inside, surrounded by various symbols representing IoT devices. To the right of the graphic, the text reads 'Let's get started with IBM Watson IoT Platform' followed by a description: 'Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.' Below this text are two buttons: 'Launch' (in blue) and 'Docs' (in light gray). Further down, a section titled 'Ready for the next level?' shows the 'IBM Watson IoT Platform Journey' with a progress bar. The progress bar has three stages: 'Lite' (marked with a checkmark), 'Non-Production', and 'Production'.

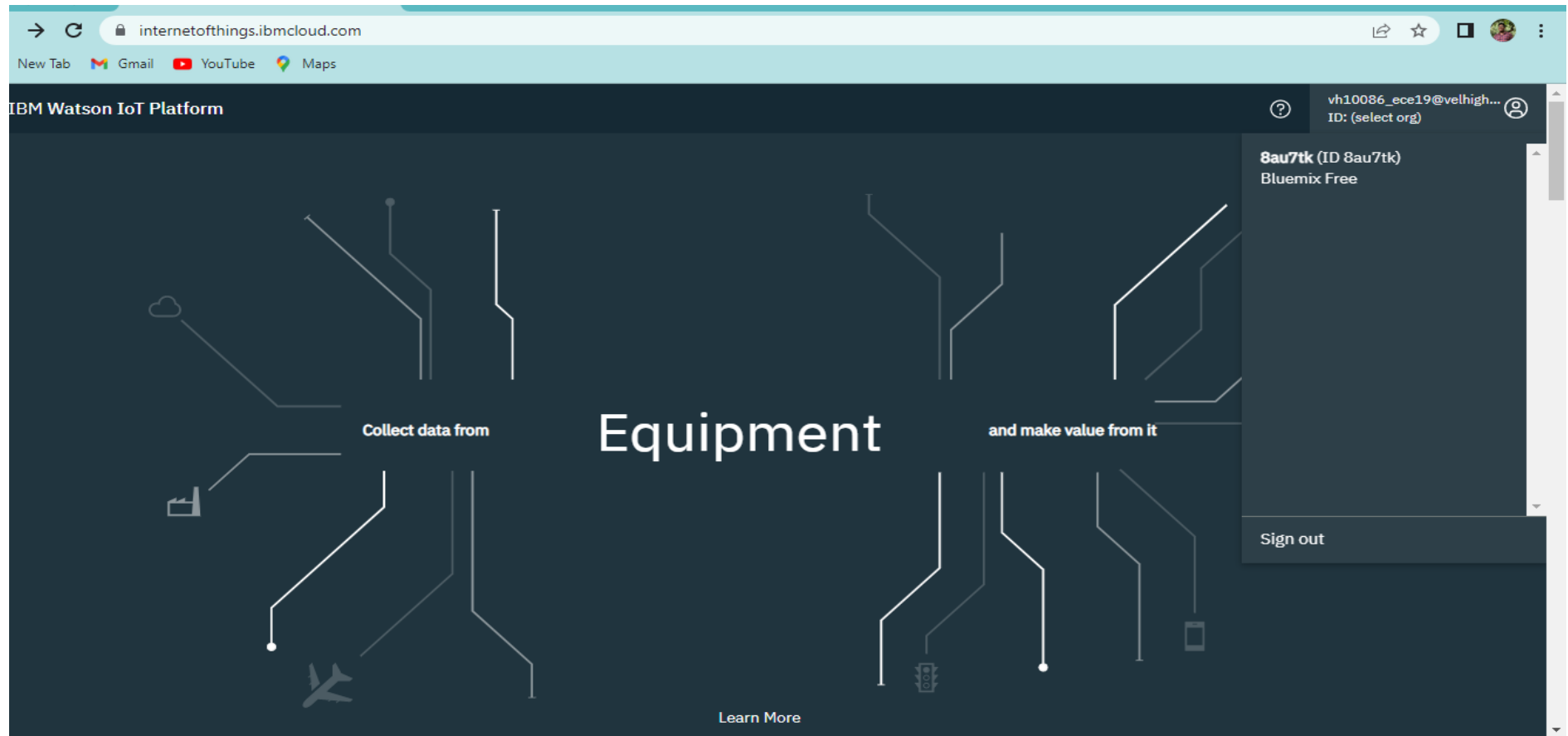
STEP 7:

Now Click Launch to launch your platform.



STEP 8:

Now Click your profile and then select Organisation.



STEP 9:

Now you can create your device by Devices>Add Device.

IBM Watson IoT Platform

vh10086_ece19@velhightech.com
ID: 8au7tk

Boards

Devices

Members

Apps

Access Management

Usage

Security

Settings

Device Types

Interfaces

Add Device +

Diagnose

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

Device ID

Device Simulator ☒

Device ID	Status	Device Type	Class ID	Date Added
1234	Disconnected	esp32	Device	8 Nov 2022 15:09
8au7tk	Disconnected	esp32	Device	13 Nov 2022 15:15

50 | 1-2 of 2 items

0 Simulations running

[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.

Device Simulator ☐

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
> <input type="checkbox"/>	123	Disconnected	Arduino	Device	20 Oct 2022 14:33
> <input type="checkbox"/>	1234	Disconnected	Noder	Device	24 Oct 2022 09:50

STEP 10:

You can create your API Key by Apps > Generate API Key. While creation choose Application as **Standard Application**.

IBM Watson IoT Platform

vh10086_ece19@velhightech.com
ID: 8au7tk

Browse

Action

Device Types

Interfaces

Add Device +

Browse Devices

All DevicesDiagnose

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 ☒

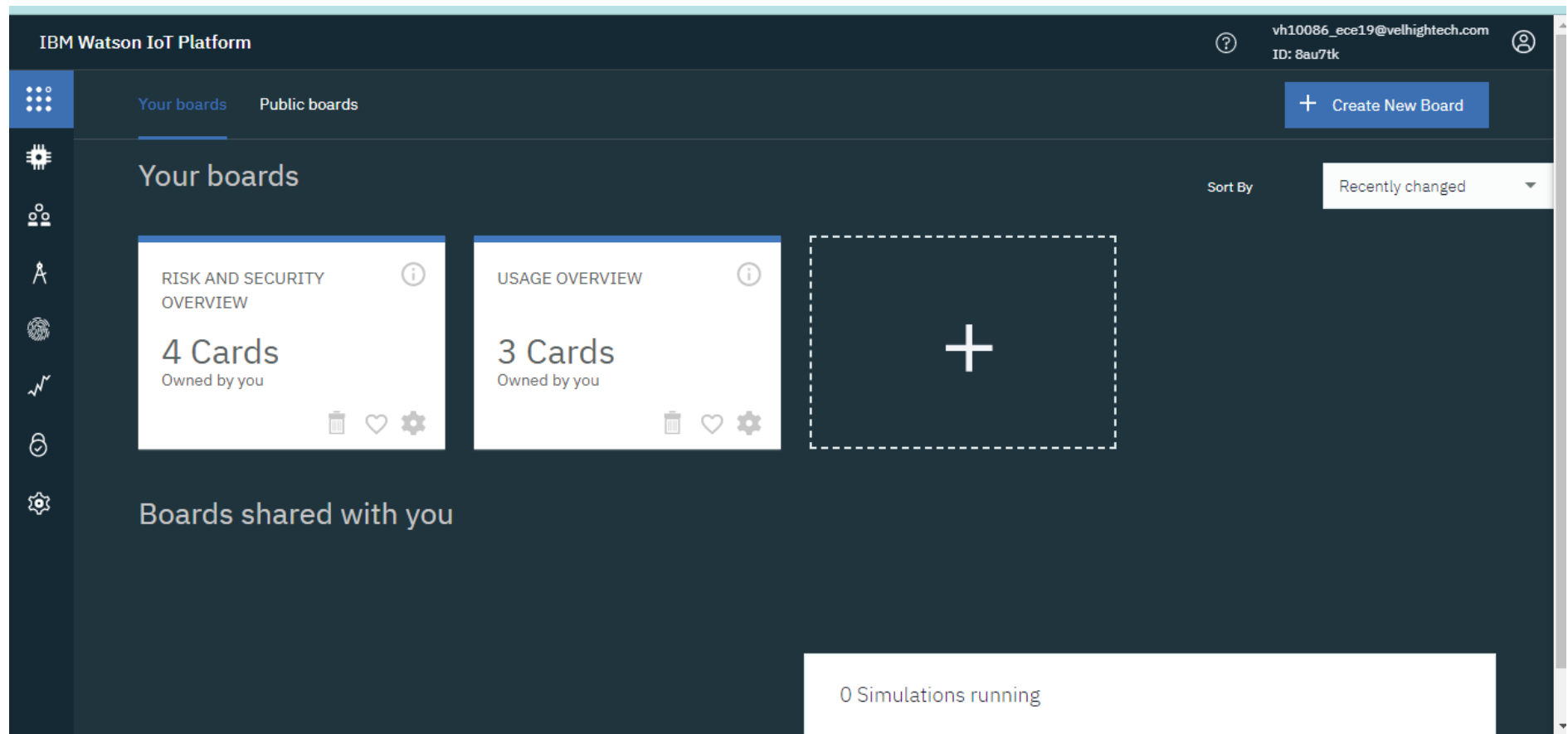
	Device ID	Status	Device Type	Class ID	Date Added
>	1234	Disconnected	esp32	Device	8 Nov 2022 15:09
>	8au7tk	Disconnected	esp32		

Items per page 50 | 1-2 of 2 items

0 Simulations running

STEP 11:

You can create your own card by clicking by Boards > Create New Board.



STEP 12:

By clicking the created card, where you can represent the data in different forms. If you don't have card you can create it by clicking add new card.

