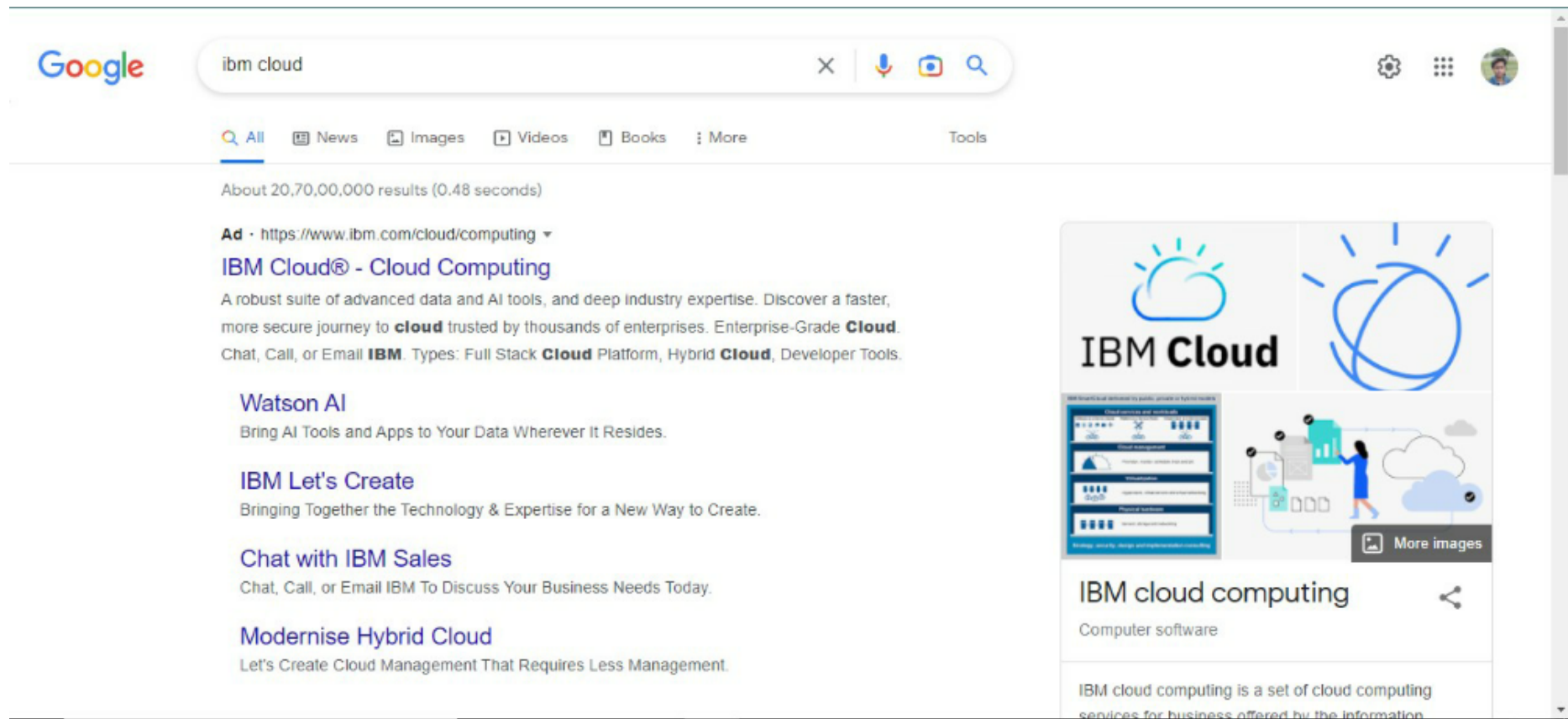


## **Pre Requisites**

<b>Project Title</b>	SmartFarmer – IoT Enabled Smart Farming Application
<b>Team ID</b>	PNT2022TMID4716 7
<b>Content</b>	IBM Cloud Service

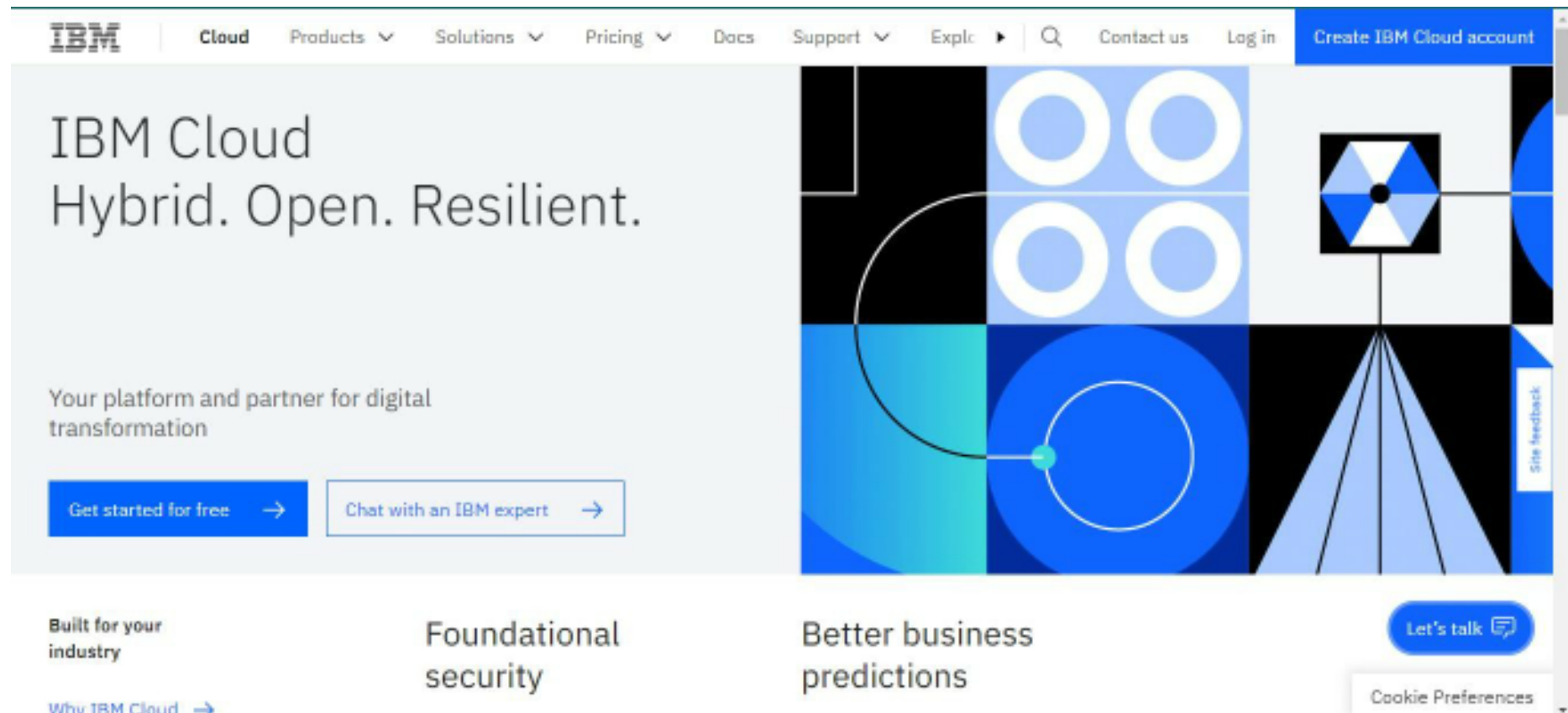
STEP 1:

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



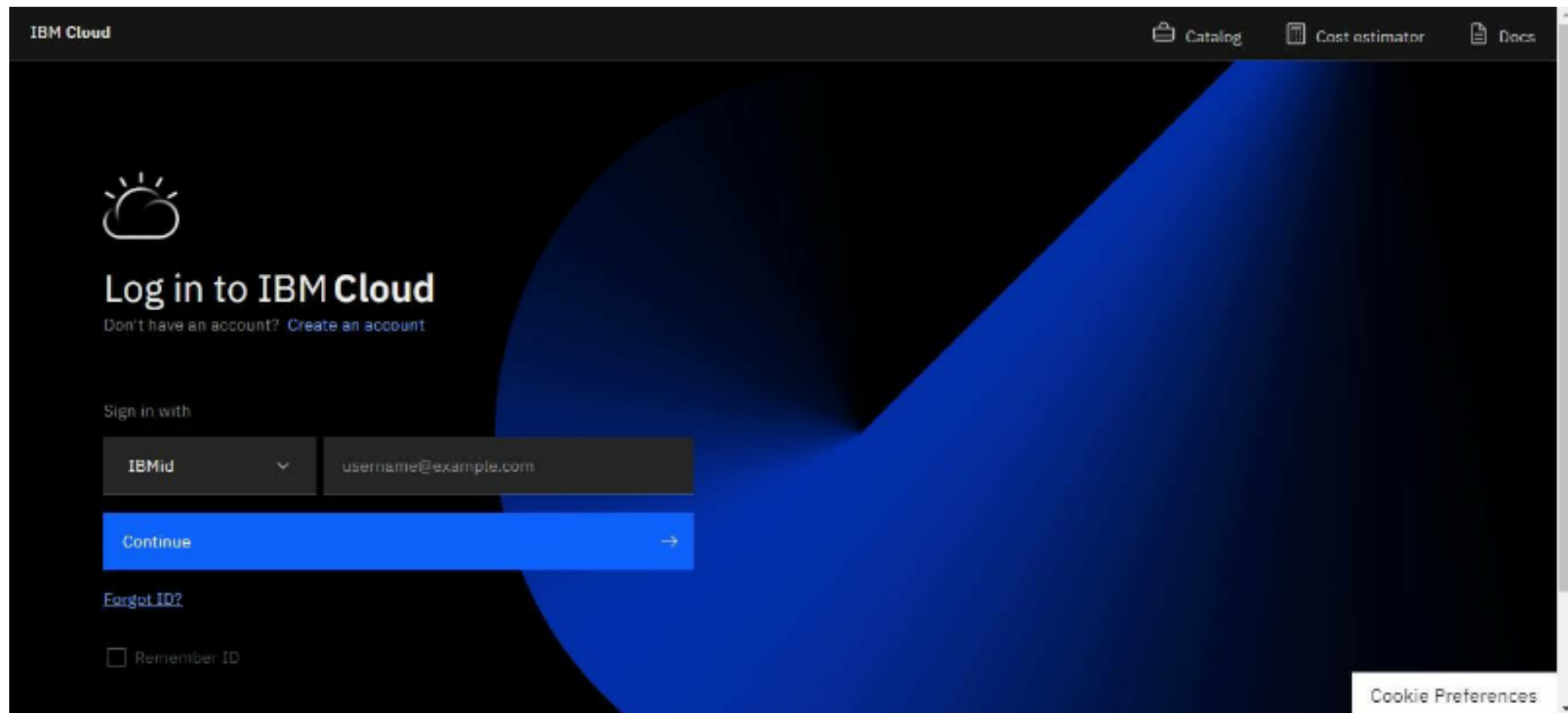
STEP 2:

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



## STEP 3:

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

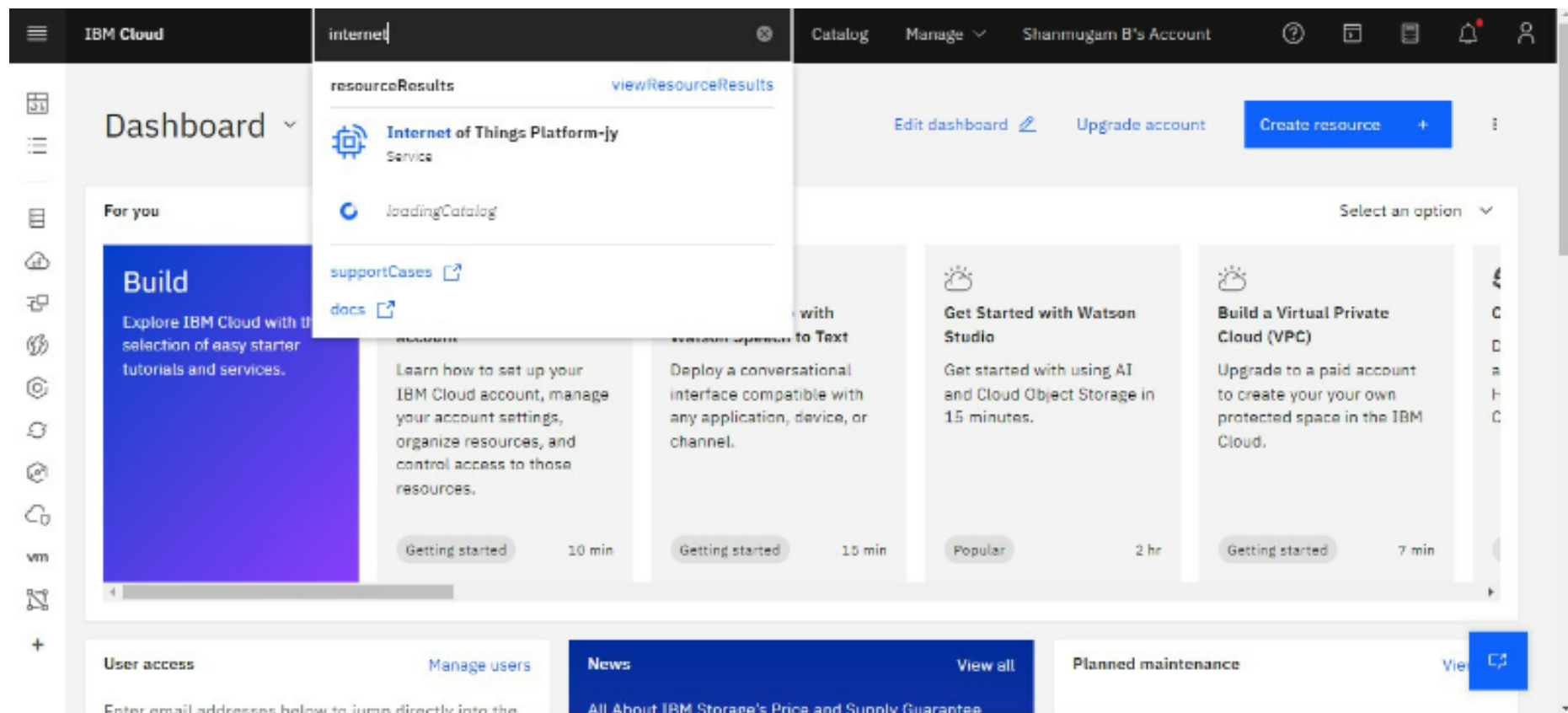


The screenshot shows the IBM Cloud login interface. At the top, there is a dark navigation bar with the 'IBM Cloud' logo on the left and links for 'Catalog', 'Cost estimator', and 'Docs' on the right. The main content area has a dark background with a large blue abstract shape. On the left, there is a cloud icon, the text 'Log in to IBM Cloud', and a link 'Don't have an account? Create an account'. Below this, a '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 'Forgot ID?' and a checkbox labeled 'Remember ID'. In the bottom right corner, a 'Cookie Preferences' link 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.

IBM Cloud

Search resources and products...

Catalog Manage Shanmugam B's Account

Catalog /

### Internet of Things Platform

This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data.

Create About

Type Service

Provider IBM

Last updated 08/15/2022

Category Internet of Things

Compliance IAM-enabled

Location Frankfurt

Select a location

Frankfurt (eu-de)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Lite	Includes up to 500 registered devices, and a maximum of 200 MB of each data metric. Maximum of 500 registered devices.	Free

Summary

**Internet of Things Platform** Free

Location: Frankfurt

Plan: Lite

Service name: Internet of Things Platform-h4

Resource group: Default

**Existing Lite plan instance**

You can have only 1 Lite plan instance of this service per resource group. [Delete](#) your current Lite plan instance in Default resource group to create a new one, or [view the existing instance](#).

☐ I have read and agree to the following license agreements: [Terms](#)

## STEP 6:

### Now Click Launch to launch your

The screenshot displays the IBM Cloud console interface for the 'Internet of Things Platform-jy' resource. The top navigation bar includes the IBM Cloud logo, a search bar, and links to 'Catalog', 'Manage', and the user's account. The resource page header shows 'Internet of Things Platform-jy' with an 'Active' status and an 'Add tags' link. A sidebar on the left contains 'Manage', 'Plan', and 'Connections' options. The main content area features a diagram of a central device connected to various sensors, a 'Launch' button, and a progress bar for the 'IBM Watson IoT Platform Journey' with stages: Lite (checked), Non-Production, and Production.

Resource list /

### Internet of Things Platform-jy

Active [Add tags](#)

[Details](#) [Actions...](#)

**Manage**

Plan

Connections

**Let's get started with IBM Watson IoT Platform**

Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

[Launch](#) [Docs](#)

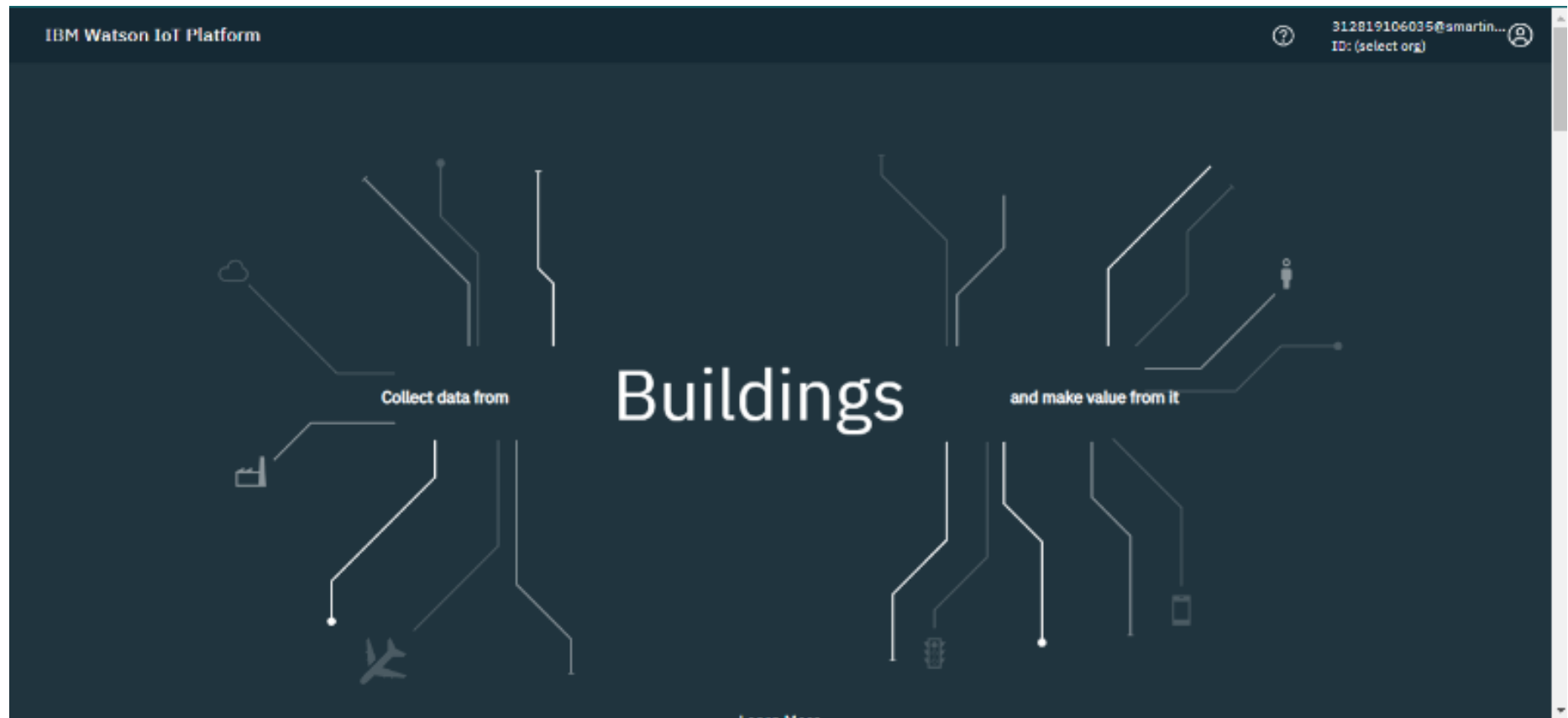
Ready for the next level?

#### IBM Watson IoT Platform Journey

☒ Lite ☐ Non-Production ☐ Production

STEP 7:

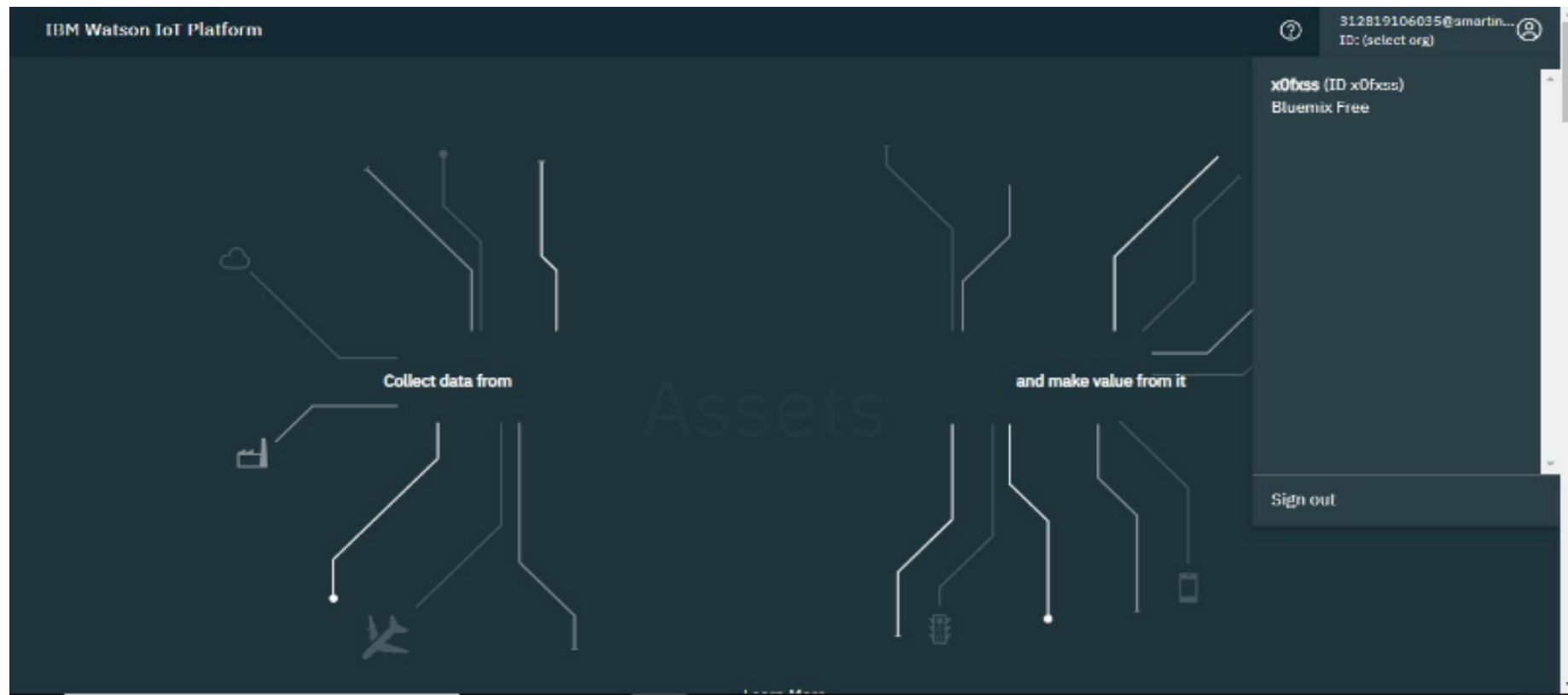
Now Click Launch to launch your





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

312819106035@smartinternz.com  
ID: x0fexot

Boards Device Types Interfaces

Add Device +

### Add Devices

Diagnose

A summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. Once 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
123	Disconnected	Arduino	Device	20 Oct 2022 14:33
1234	Disconnected	Noder	Device	24 Oct 2022 09:50

IDM Watson IoT Platform

?

012019106030@emartintertez.com

ID: x0l0aa

Browse

Admin

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 Simulation ☐

<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	NodeB	Device	24 Oct 2022 09:50

## STEP 10:

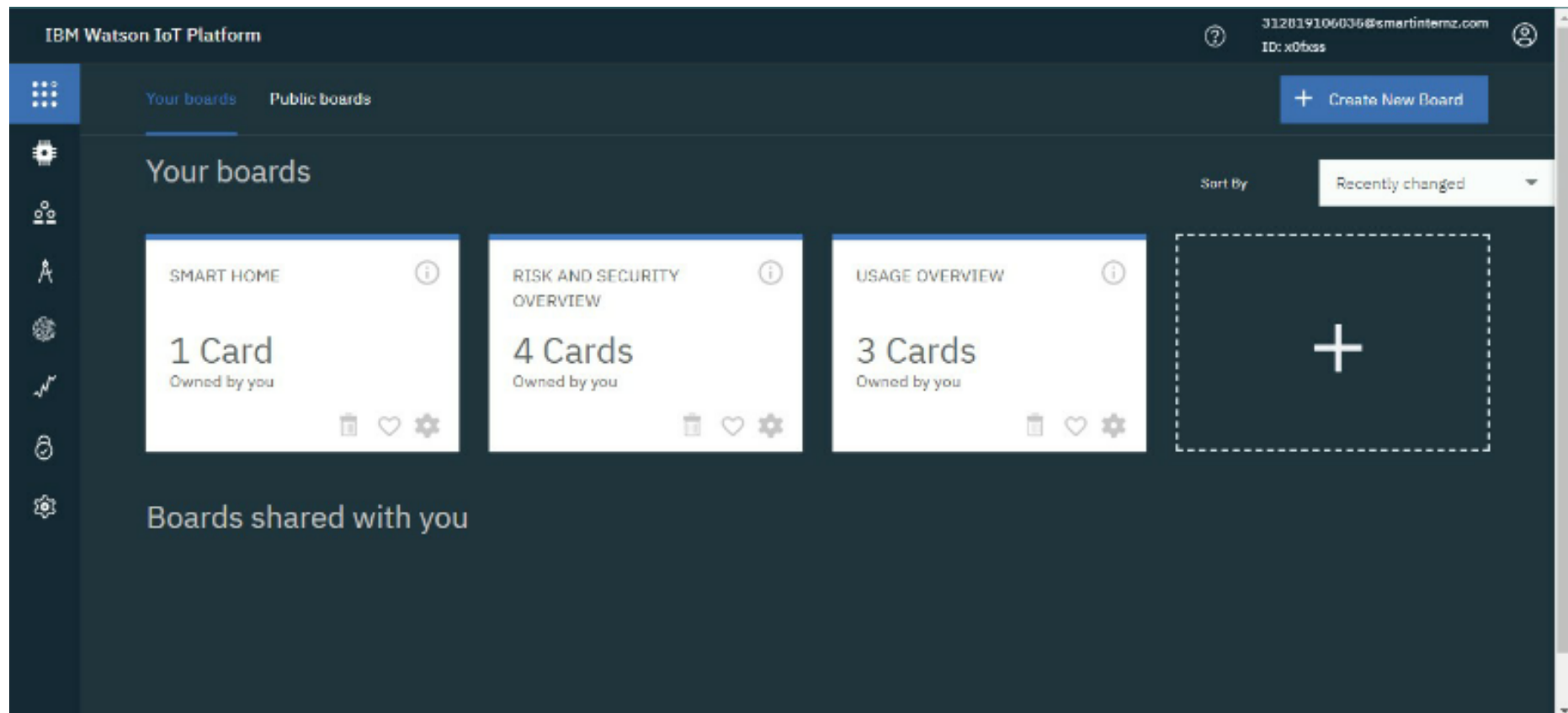
You can create your API Key by Apps > Generate API Key. While creation choose Application as **Standard Application**.

The screenshot displays the 'Browse API Keys' interface in the IBM Watson IoT Platform. The top navigation bar includes the platform name, a user profile icon, and the email '312819106036@smarterintents.com' with ID 'x0fxss'. A 'Generate API Key' button is located in the top right corner. The main heading is 'Browse API Keys', followed by a search bar and a descriptive paragraph. Below this is a table with 10 results, showing API keys, their descriptions, roles (all 'Standard Application'), and expiration dates. Each row has a checkbox and a toggle switch.

<input type="checkbox"/>	Key	Description	Role	Expires	
10 results					
<input type="checkbox"/>	a-x0fxss-3gpzdtgqxq	API Key for the device simula...	Standard Application	-	<input checked="" type="checkbox"/>
<input type="checkbox"/>	a-x0fxss-bio7aw7ggt	API Key for the device simula...	Standard Application	-	<input checked="" type="checkbox"/>
<input type="checkbox"/>	a-x0fxss-dontmdlc4q	Bound to Bluemix Application	Standard Application	-	<input checked="" type="checkbox"/>
<input type="checkbox"/>	a-x0fxss-dspoucimso	fh	Standard Application	25 Nov 2022	<input checked="" type="checkbox"/>

## 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.

