

Pre Requisites

Project Title	SmartFarmer – IoT Enabled Smart Farming Application
Team ID	PNT2022TMID26132
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" entered in the search bar. The search results show approximately 20,600,000 results in 0.36 seconds. The first result is for "IBM Cloud - India" with a link to <https://www.ibm.com/in-en/cloud>. Below this is a link to "IBM Cloud" with a link to <https://cloud.ibm.com>. The "People also ask" section lists four questions: "What is IBM Cloud?", "What is IBM's cloud called?", "Is IBM Cloud free?", and "Does IBM Cloud use AWS?". On the right side, there is a knowledge panel for "IBM cloud computing" which includes a description, a platform link, and an initial release date of 7 April 2011.

Google

ibm cloud

Q All News Images Videos Books More Tools

About 20,60,00,000 results (0.36 seconds)

<https://www.ibm.com/in-en/cloud>

IBM Cloud - India

A full stack cloud platform with over 170 products and services covering.

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<https://cloud.ibm.com>

IBM Cloud

Start building immediately using 190+ unique services.

[Cloud computing](#) · [Account registration](#) · [Catalog](#) · [IBM Watson](#)

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People also ask

What is IBM Cloud?

What is IBM's cloud called?

Is IBM Cloud free?

Does IBM Cloud use AWS?

Feedback

IBM Cloud

IBM Cloud computing

Computer software

IBM cloud computing is a set of cloud computing services for business offered by the information technology company IBM. [Wikipedia](#)

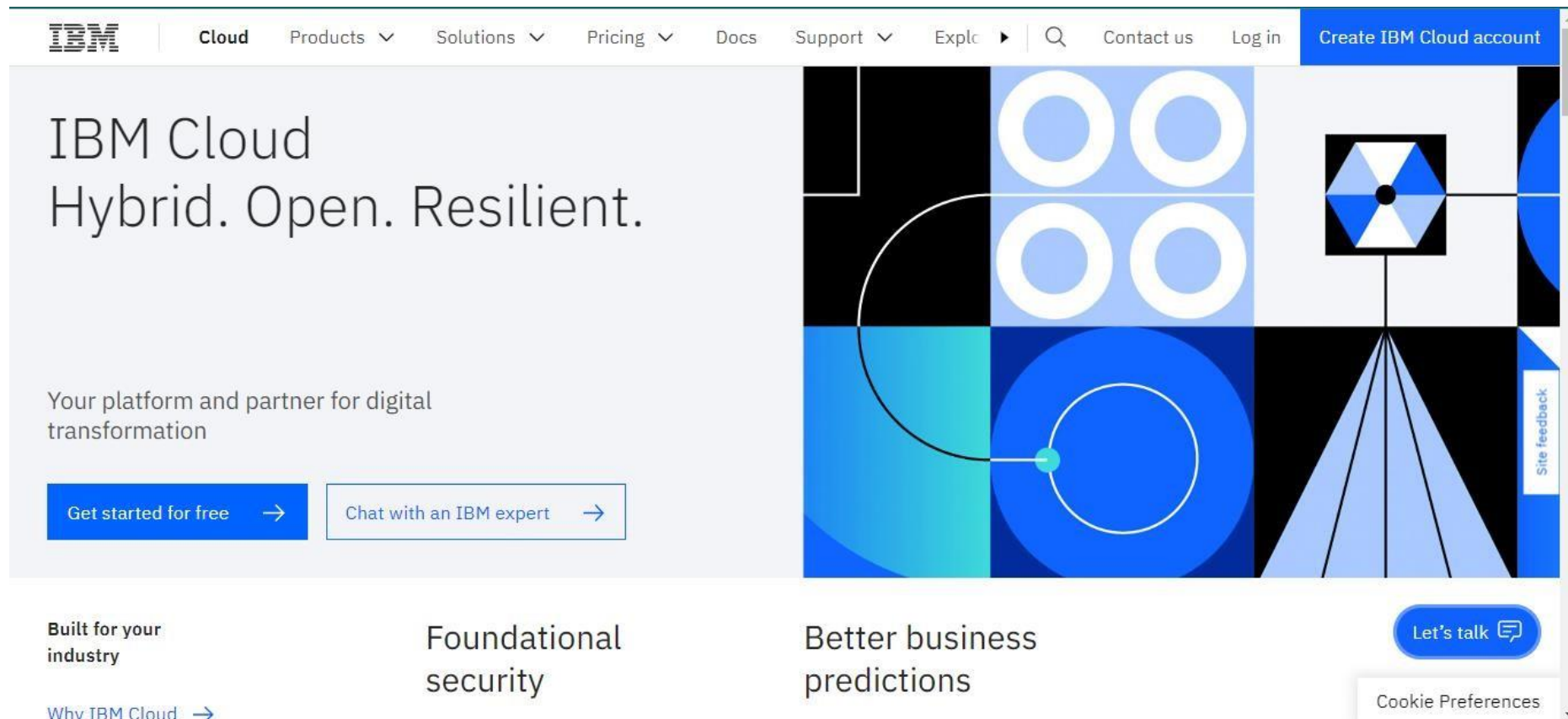
Platform: [Cross-platform software](#)

Initial release date: 7 April 2011

Developer: [IBM](#)

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 link "Why IBM Cloud", "Foundational security", and "Better business predictions". A "Let's talk" chat button is in the bottom right, and a "Cookie Preferences" link is at the very bottom right.

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

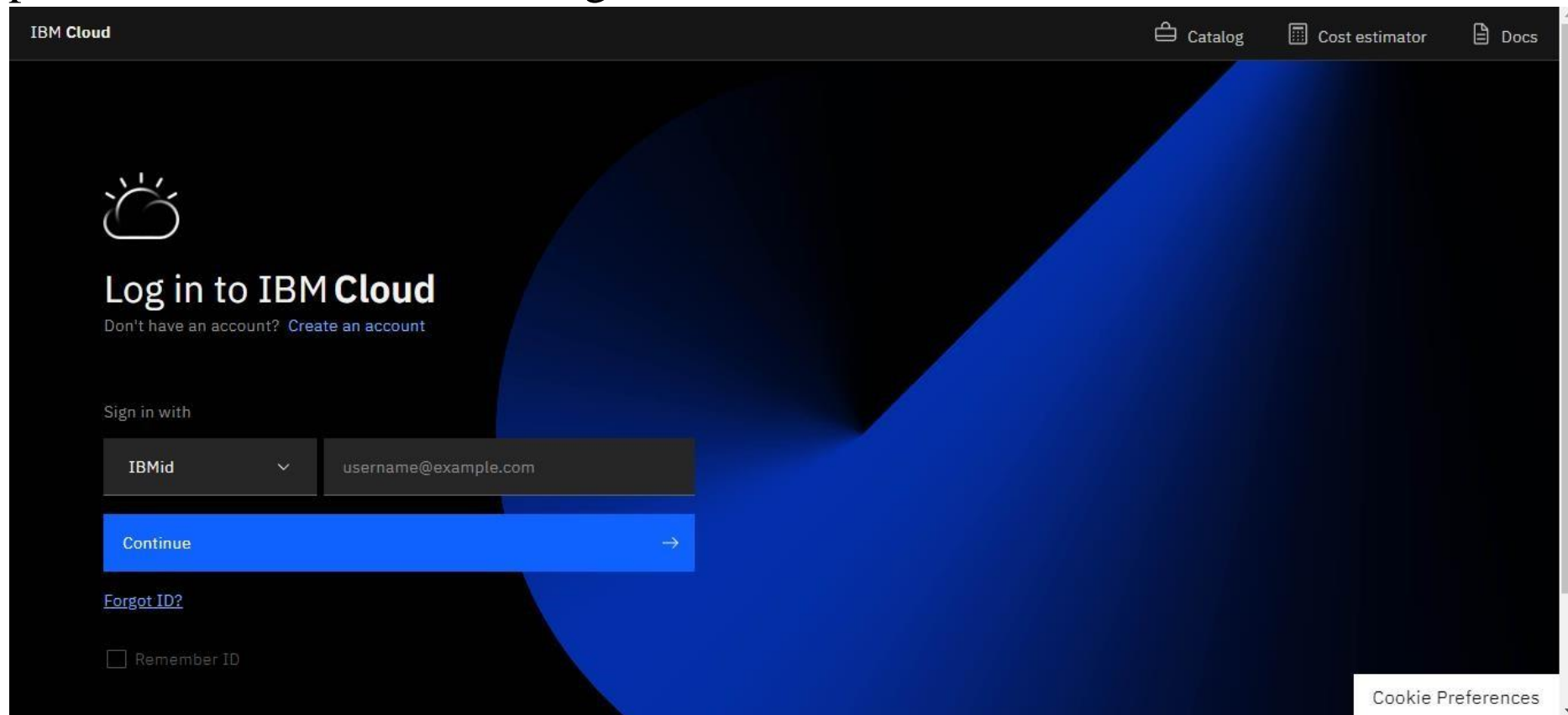
Better business predictions

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.

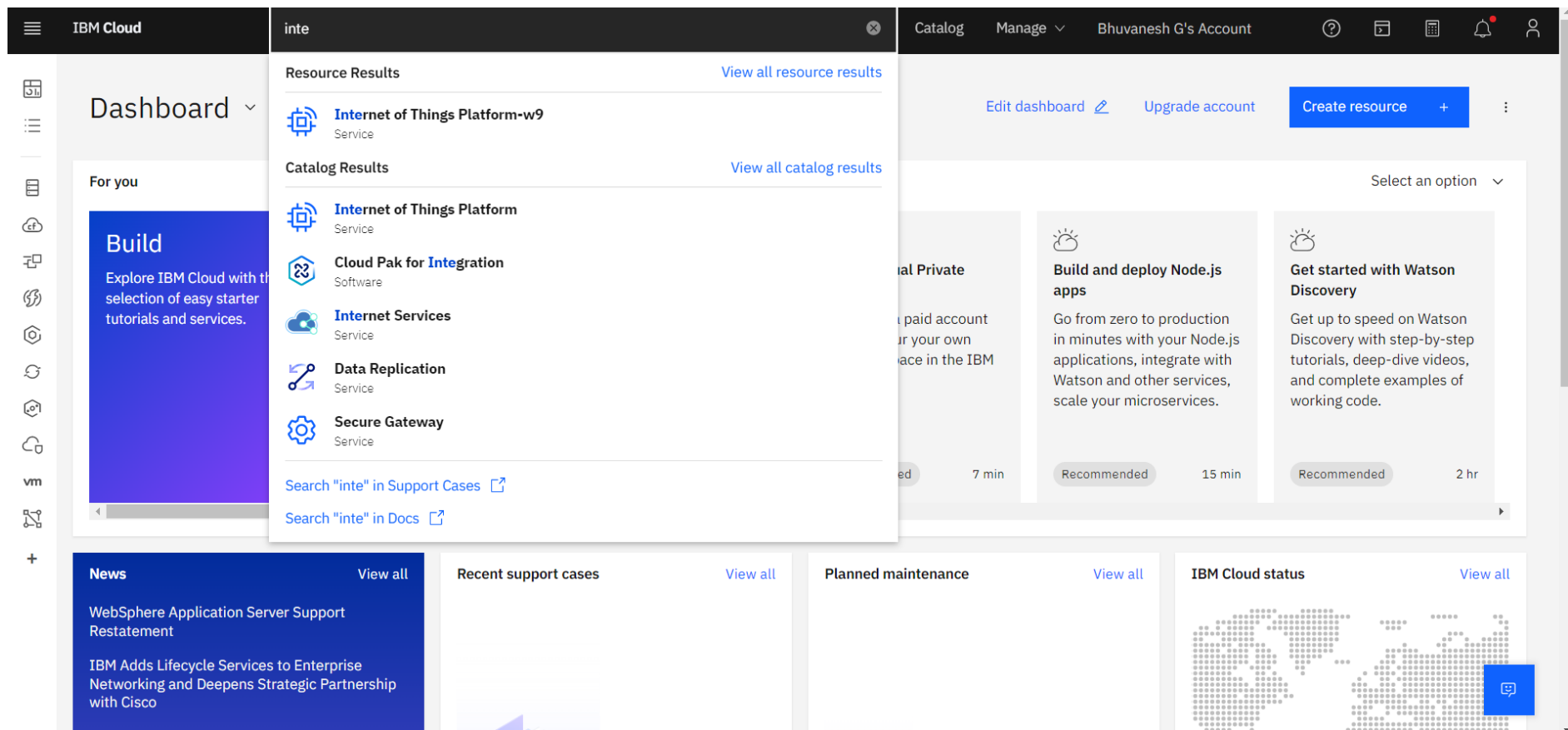


The screenshot shows the IBM Cloud login interface. At the top, there is a navigation bar with the 'IBM Cloud' logo on the left and links for 'Catalog', 'Cost estimator', and 'Docs' on the right. The main content area has a dark background with a large blue abstract shape. On the left, there is a cloud icon with sun rays. Below it, the text 'Log in to IBM Cloud' is displayed, followed by a link 'Don't have an account? [Create an account](#)'. Underneath, the 'Sign in with' section shows a dropdown menu with 'IBMid' selected 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' 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.

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 platform.

IBM Cloud

Search resources and products...

Q

Catalog

Manage

Bhuvanesh G's Account

?

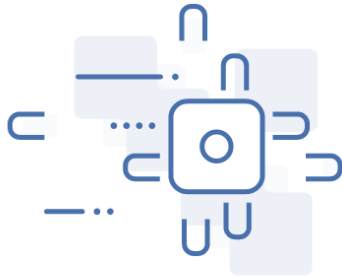
[Resource list](#) /

Internet of Things Platform-w9 ✓ 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

The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.

Non-Production

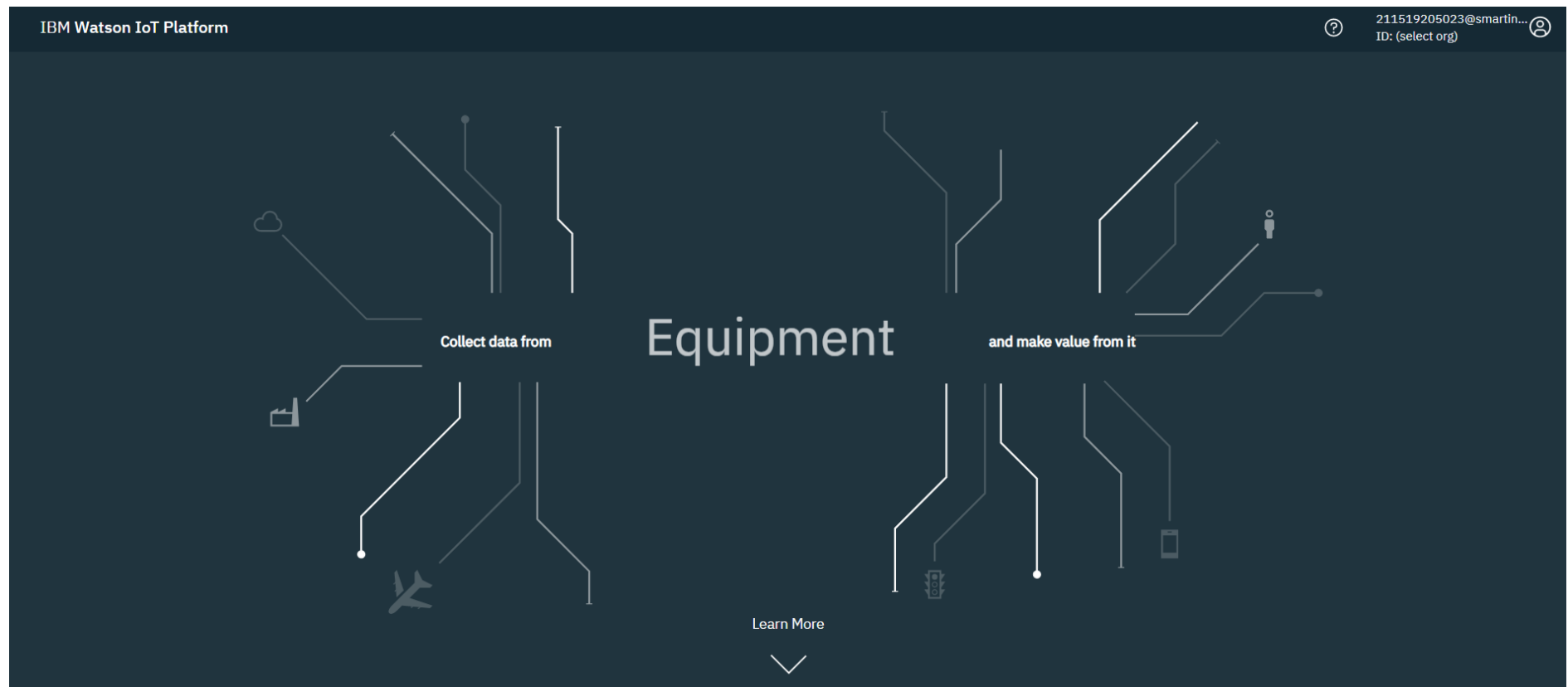
The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.

Production

The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.

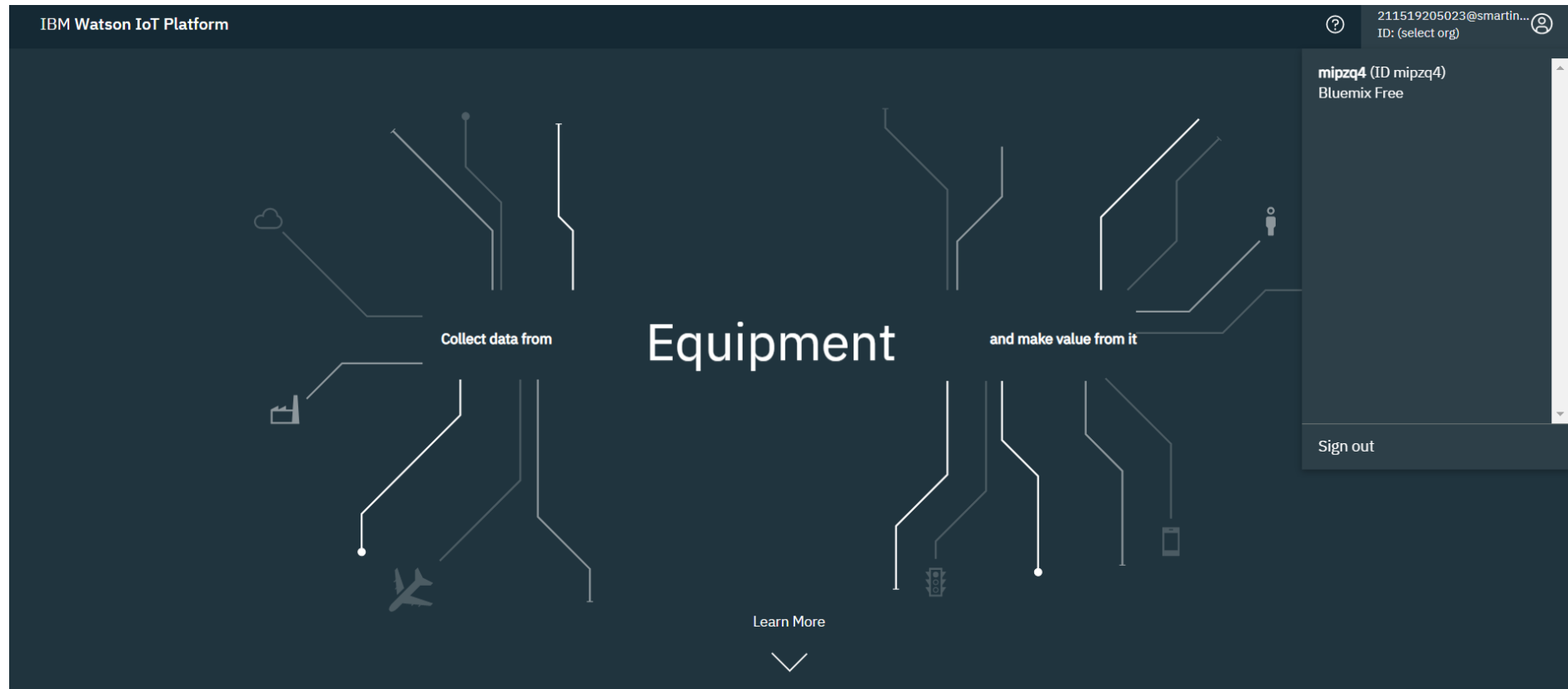
STEP 7:

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.

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"/>	123	Disconnected	Arduino	Device	20 Oct 2022 14:33
> <input type="checkbox"/>	1234	Disconnected	Noder	Device	24 Oct 2022 09:50

STEP 10:

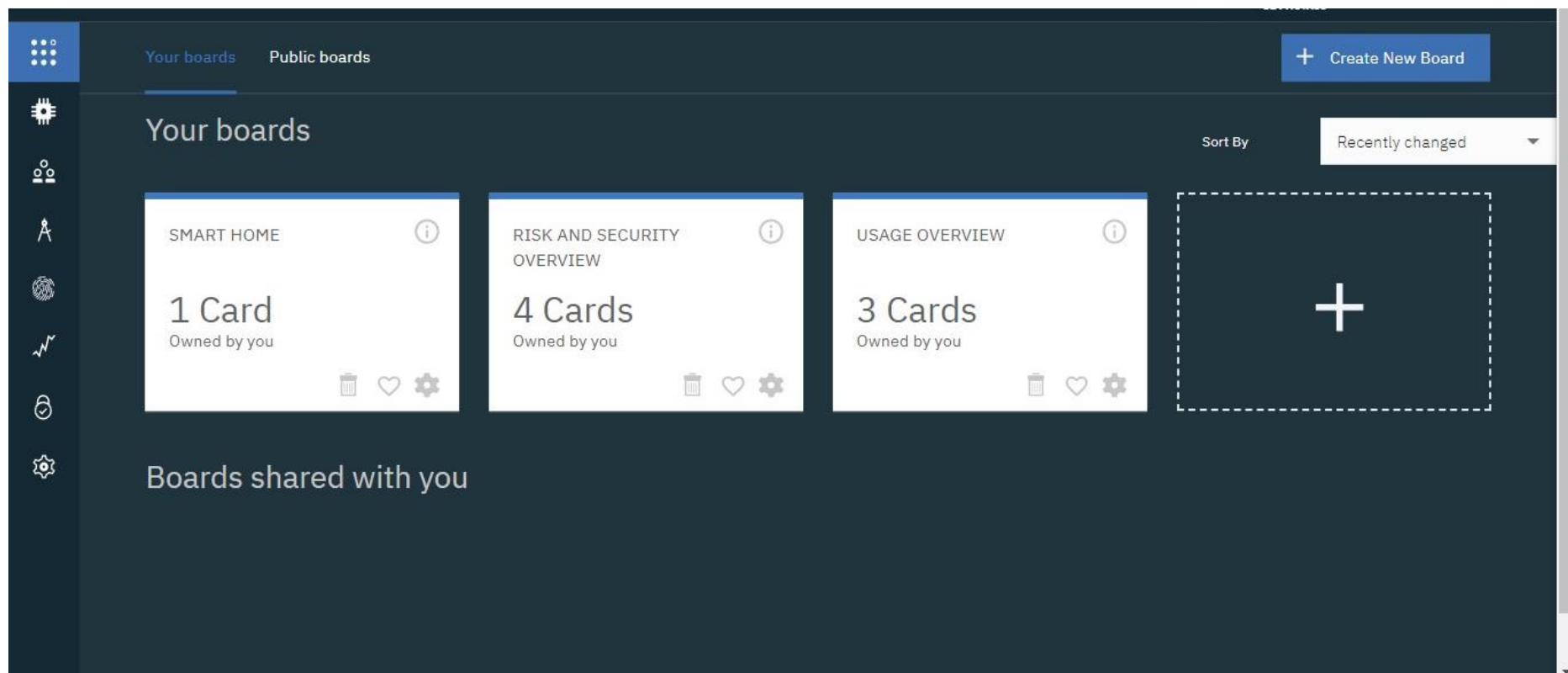
You can create your API Key by Apps > Generate API Key. While creation choose Application as **Standard Application**.

The screenshot displays the 'Browse API Keys' interface in the IBM Cloud Apps console. The page title is 'Browse API Keys', and it includes a search bar with the placeholder text 'Type the app description to search for'. Below the title, a paragraph explains that the table shows a summary of API keys added for the organization and provides instructions on how to add new keys. The table itself has four main columns: 'Key', 'Description', 'Role', and 'Expires'. It shows 10 results, with the first four rows visible. Each row includes a checkbox, a key ID, a description, a role (all are 'Standard Application'), and an expiration date (either '-' for no expiration or a specific date like '25 Nov 2022'). A sidebar on the left contains various navigation icons, and a top bar features a 'Generate API Key' button.

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

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.

