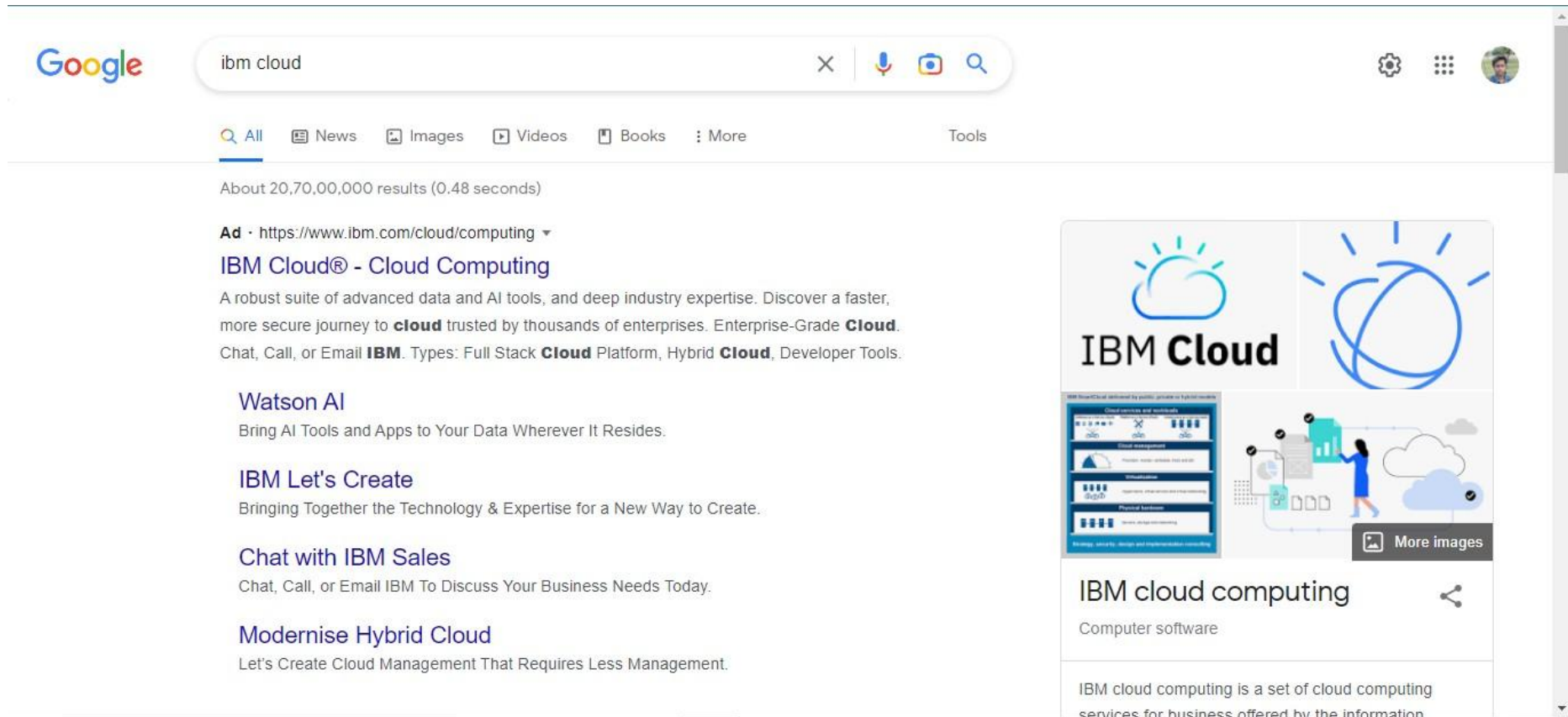


Pre Requisites

Project Title	SmartFarmer – IoT Enabled Smart Farming Application
Team ID	PNT2022TMID22163
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". The search results indicate approximately 20,700,000 results found in 0.48 seconds. The first result is an advertisement for IBM Cloud, with the URL <https://www.ibm.com/cloud/computing>. The ad title is "IBM Cloud® - Cloud Computing" and the description states: "A robust suite of advanced data and AI tools, and deep industry expertise. Discover a faster, more secure journey to **cloud** trusted by thousands of enterprises. Enterprise-Grade **Cloud**. Chat, Call, or Email **IBM**. Types: Full Stack **Cloud** Platform, Hybrid **Cloud**, Developer Tools."

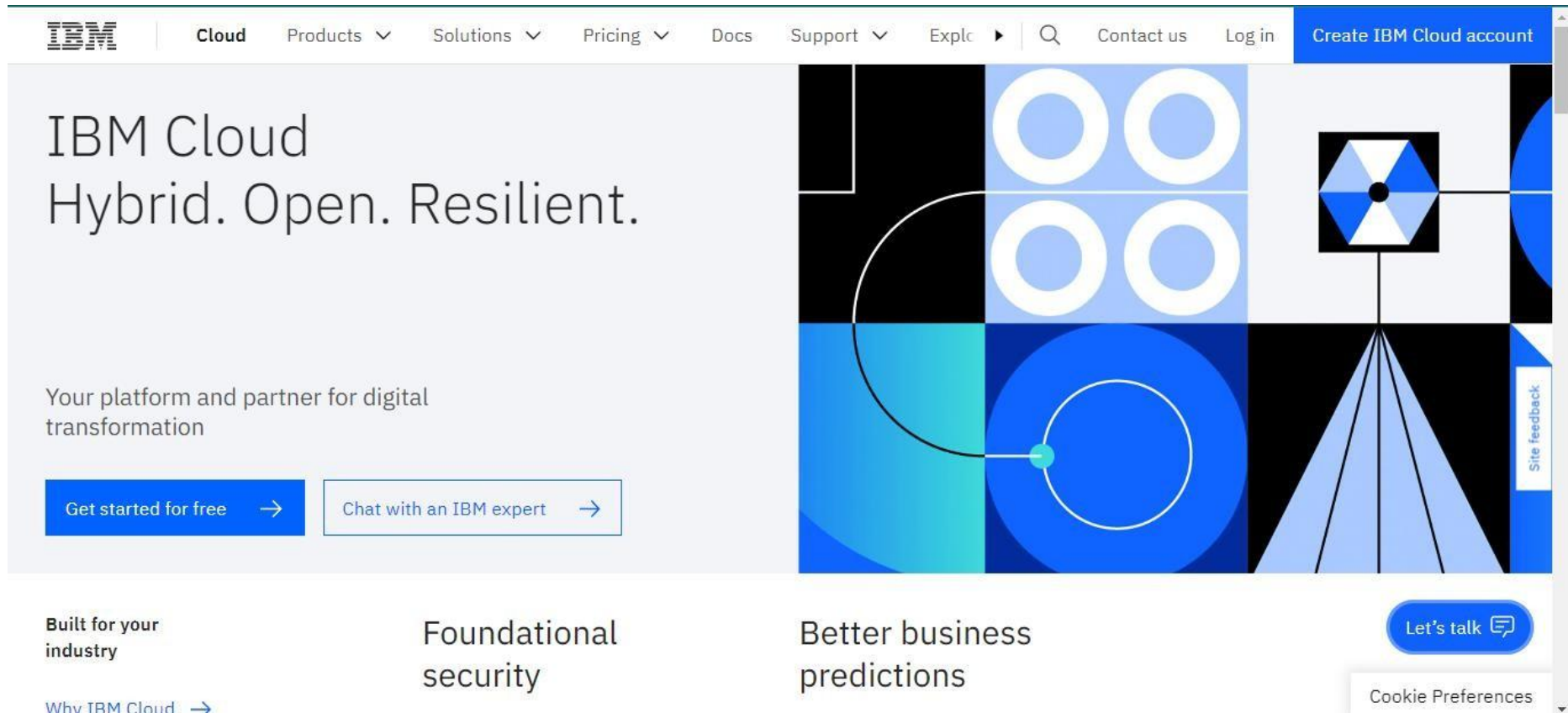
Below the ad, there are four links with descriptions:

- 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 large image showing the IBM Cloud logo and a diagram of cloud services. Below the image, the text "IBM cloud computing" is displayed, followed by "Computer software". A share icon is visible next to the text. At the bottom of the image, a small caption reads: "IBM cloud computing is a set of cloud computing services for business offered by the information".

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, and Explore, a search icon, and links for 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 text are two buttons: "Get started for free" and "Chat with an IBM expert". The background of the hero section is a light blue with abstract geometric shapes in black, white, and blue. The bottom section is divided into three columns: "Built for your industry" with a link "Why IBM Cloud", "Foundational security", and "Better business predictions". On the right side of the bottom section, there is a blue button labeled "Let's talk" and a link for "Cookie Preferences". A vertical "Site feedback" link is also visible on the right edge of the hero section.

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

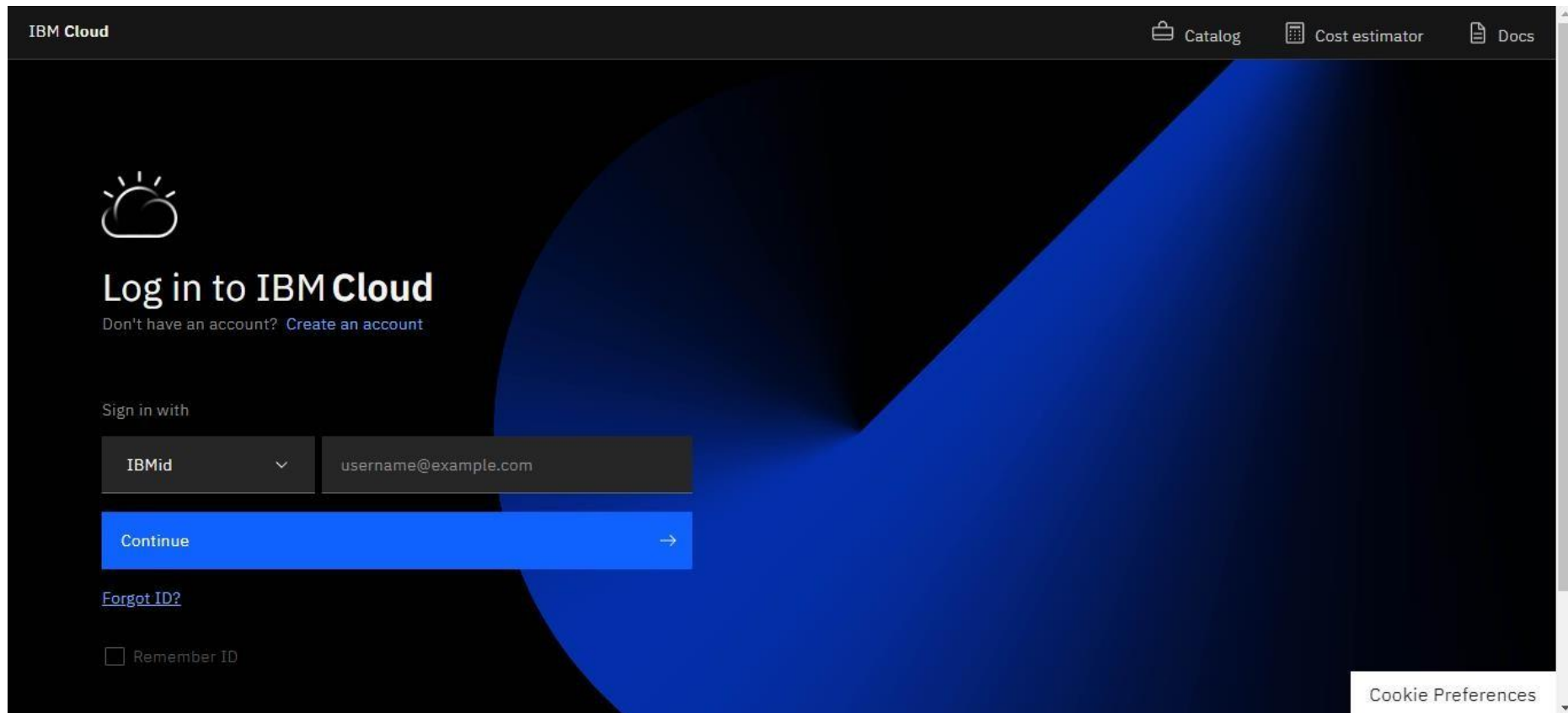
Let's talk

Cookie Preferences

Site feedback

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 header with the 'IBM Cloud' logo on the left and navigation 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. Underneath the button are links for 'Forgot ID?' and a 'Remember ID' checkbox. In the bottom right corner, a 'Cookie Preferences' link is visible.

IBM Cloud

Catalog Cost estimator Docs



Log in to IBM Cloud

Don't have an account? [Create an account](#)

Sign in with

IBMid ▼ username@example.com

Continue →

[Forgot ID?](#)

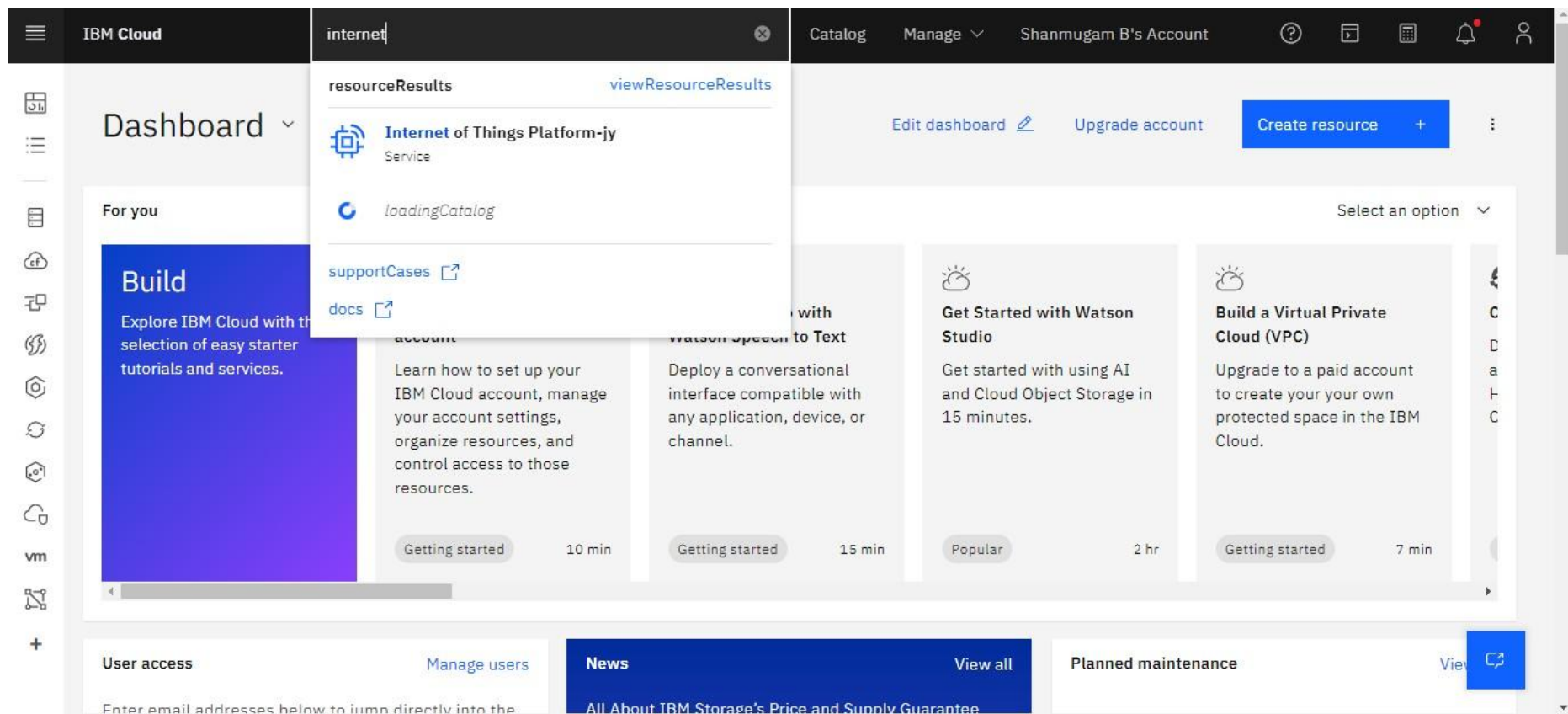
☐ Remember ID

[Cookie Preferences](#)

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 platform.

IBM Cloud

Search resources and products...

Q

Catalog

Manage

Shanmugam B's Account

?

Resource list /

Internet of Things Platform-jy Active Add tags

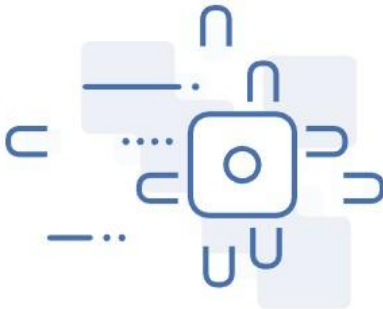
Details

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

☐

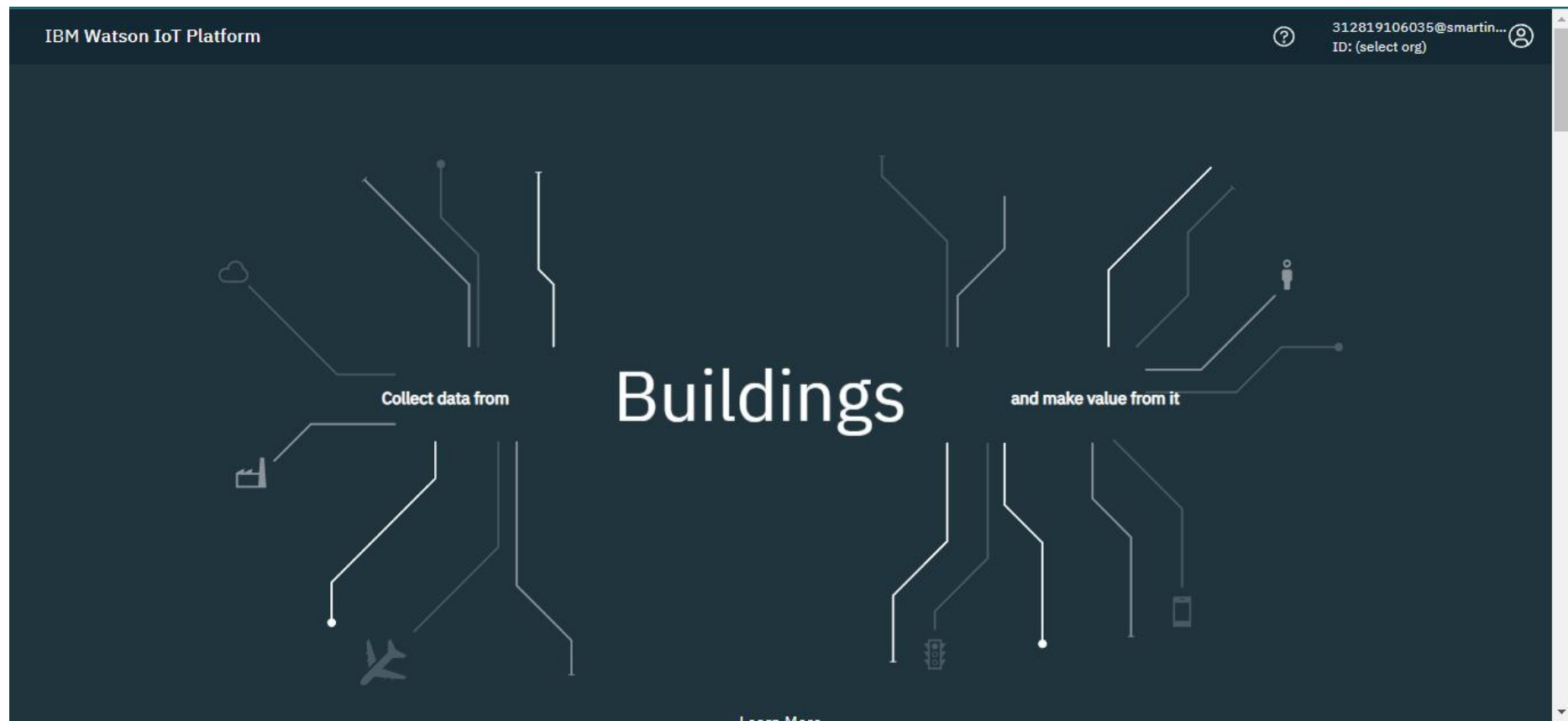
Non-Production

☐

Production

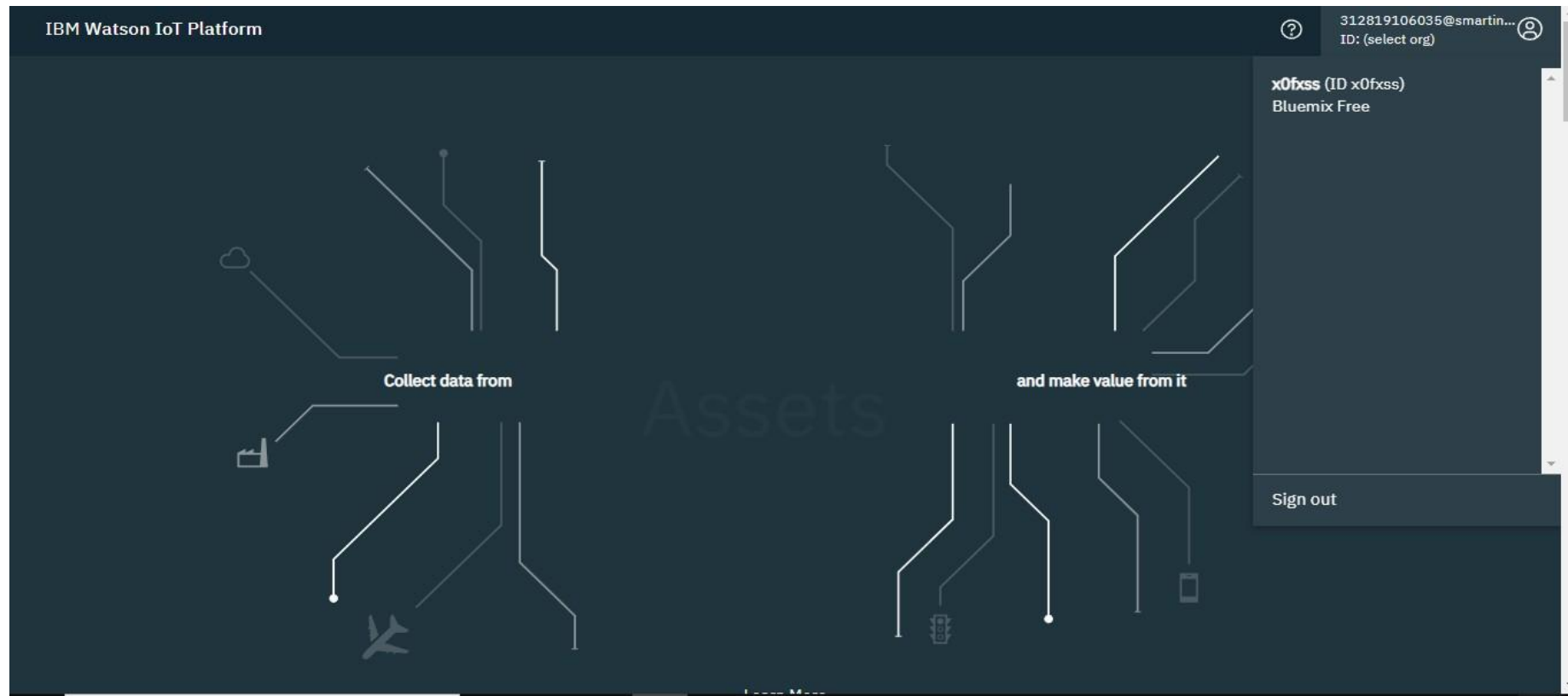
STEP 7:

Now Click Launch to launch your 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

312819106035@smartinternz.com
ID: x0fxss

Boards

Devices

Members

Apps

Access Management

Usage

Security

Settings

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
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

IBM Watson IoT Platform

?

312819106035@smartinternz.com
ID: x0fxss

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
>	123	Disconnected	Arduino	Device	20 Oct 2022 14:33
>	1234	Disconnected	Noder	Device	24 Oct 2022 09:50

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

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

IBM Watson IoT Platform

 ? 312819106035@smartinternz.com ID: x0fxss

[Browse](#)
[IBM Cloud Apps](#)

+ Generate API Key

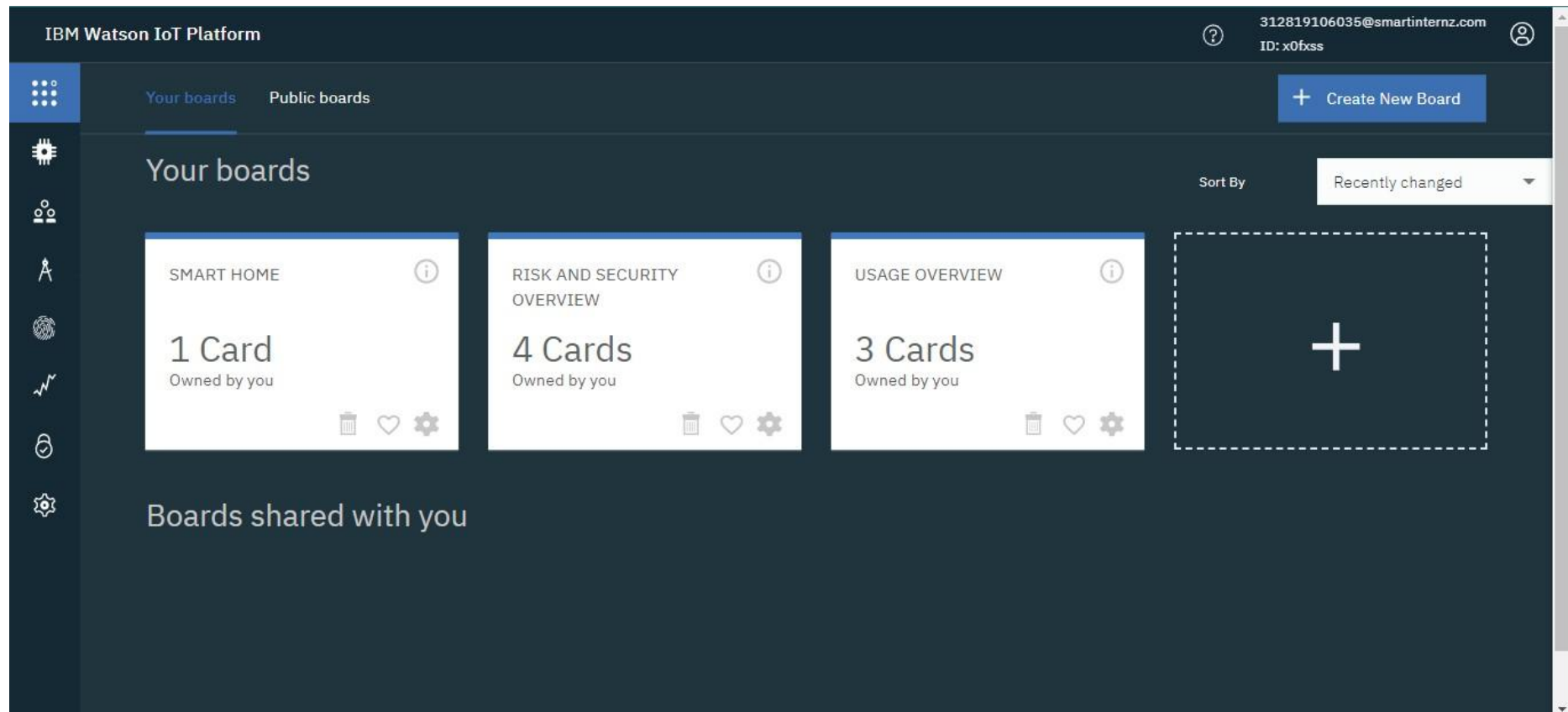
Browse API Keys

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking [Generate API Key](#), or by using the API. For more information about adding API keys, see [API key connection](#).

<input type="checkbox"/>	Key ↕	Description ↕	Role ↕	Expires ↕	
10 results					
<input type="checkbox"/>	a-x0fxss-3gpzdztgxq	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-dspoucims0	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.

