

## Pre Requisites

<b>Project Title</b>	SmartFarmer – IoT Enabled Smart Farming Application
<b>Team ID</b>	PNT2022TMID28579
<b>Content</b>	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 page displays "About 20,70,00,000 results (0.48 seconds)". The first result is an advertisement for IBM Cloud, titled "IBM Cloud® - Cloud Computing", with a description: "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 are four links: "Watson AI", "IBM Let's Create", "Chat with IBM Sales", and "Modernise Hybrid Cloud", each with a brief description. To the right of the search results is an image gallery for "IBM cloud computing", showing various IBM Cloud logos and diagrams. The gallery includes a "More images" button and a share icon.

Google

ibm cloud

× | 🎤 📷 🔍

⚙️ ⋮ 👤

🔍 All 📰 News 🖼️ Images 📺 Videos 📖 Books ⋮ More Tools

About 20,70,00,000 results (0.48 seconds)

**Ad** • <https://www.ibm.com/cloud/computing> ▼

**IBM Cloud® - Cloud Computing**

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.

**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.

**IBM Cloud**

IBM Cloud® delivered by public, private or hybrid resources

Cloud services and analytics  
Cloud management  
Physical hardware  
Physical hardware

More images

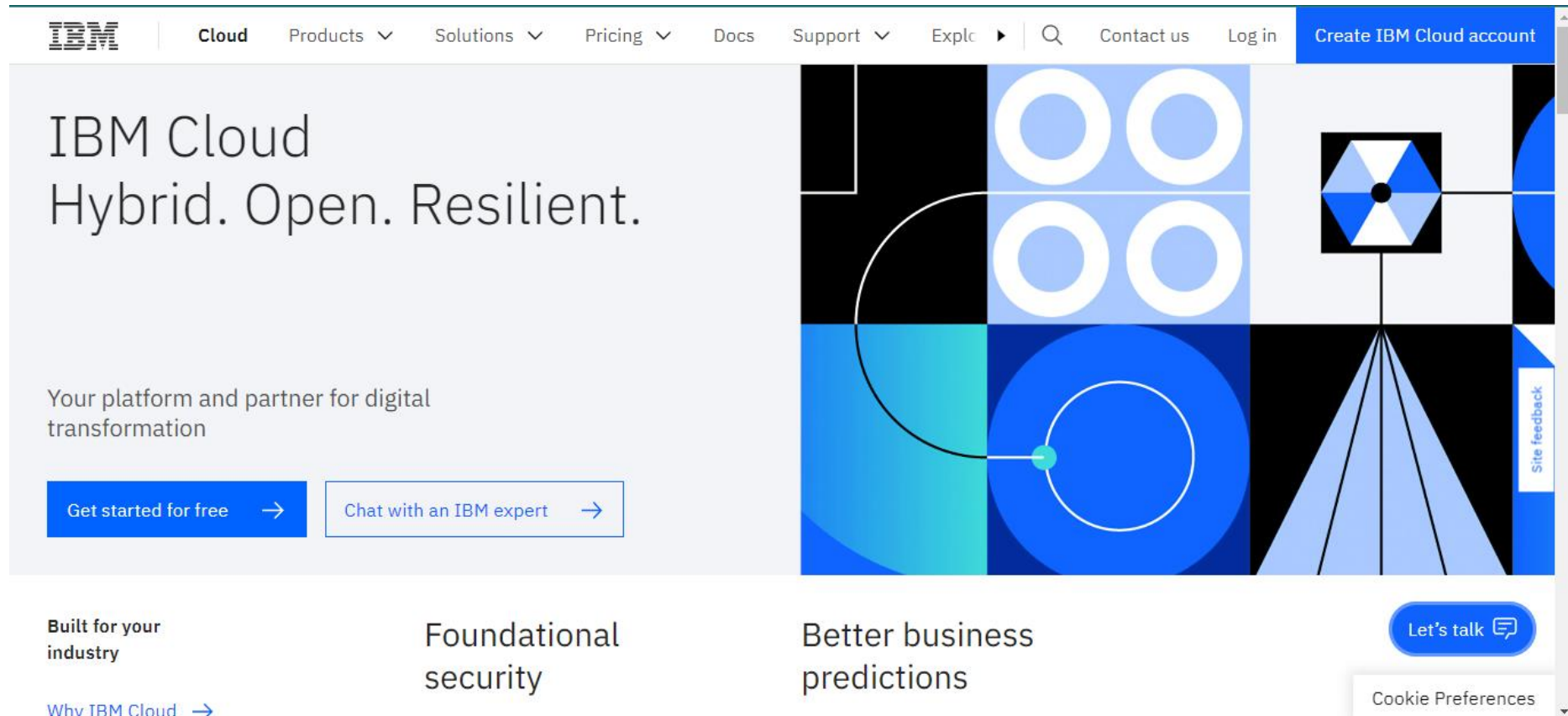
**IBM cloud computing**

Computer software

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, 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". The right side of the hero section is a large abstract graphic with blue, black, and white geometric shapes. Below the hero section, there are three columns of content: "Built for your industry" with a link "Why IBM Cloud", "Foundational security", and "Better business predictions". A blue "Let's talk" button is positioned to the right of these columns. At the bottom right, there is a "Cookie Preferences" link. A vertical "Site feedback" button is visible on the right edge of the main content area.

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

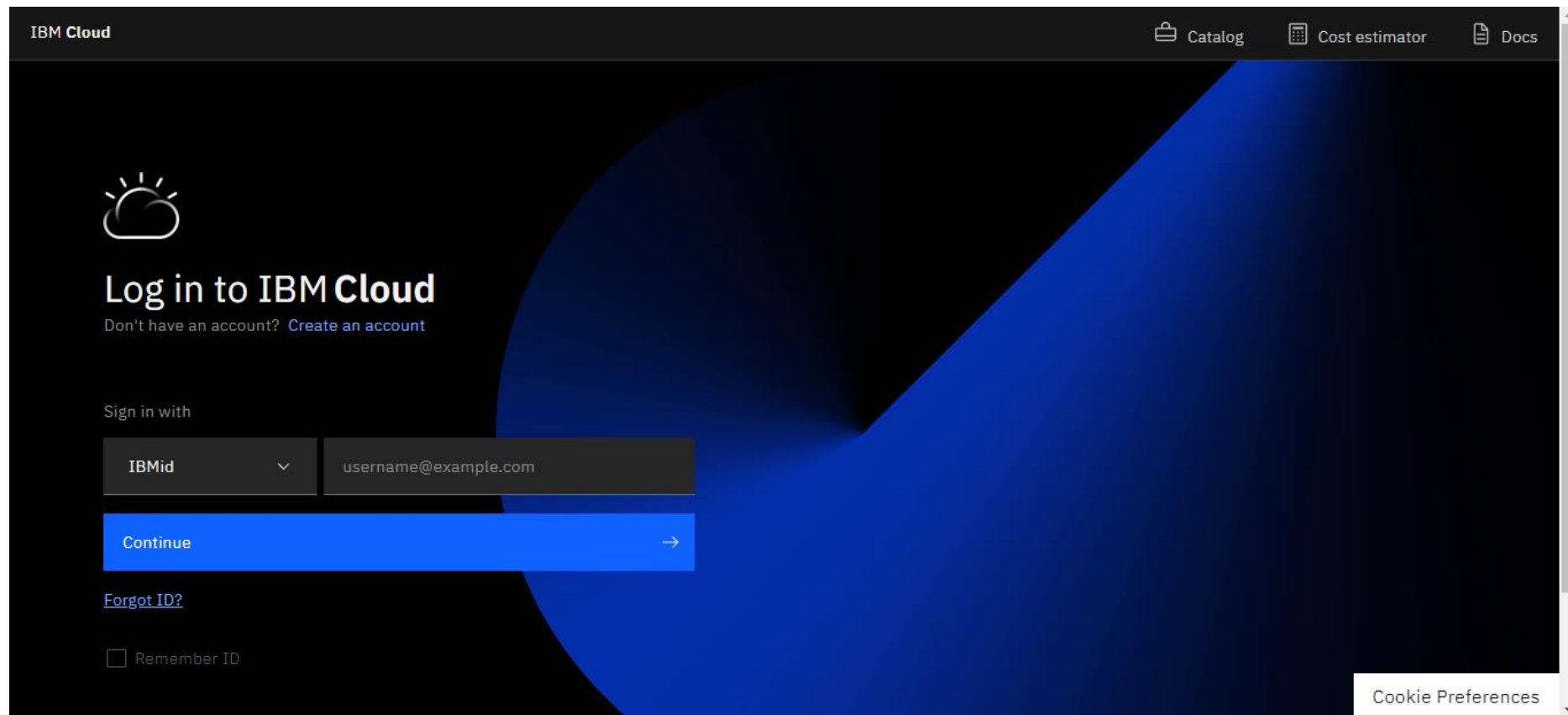
Let's talk

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 shows a dropdown menu set to 'IBMid' and a text input field containing 'username@example.com'. A prominent blue 'Continue' button with a right arrow is positioned below the input field. At the bottom left, there is a link 'Forgot ID?' and a checkbox labeled 'Remember ID'. A 'Cookie Preferences' link is visible in the bottom right corner.

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?](#)

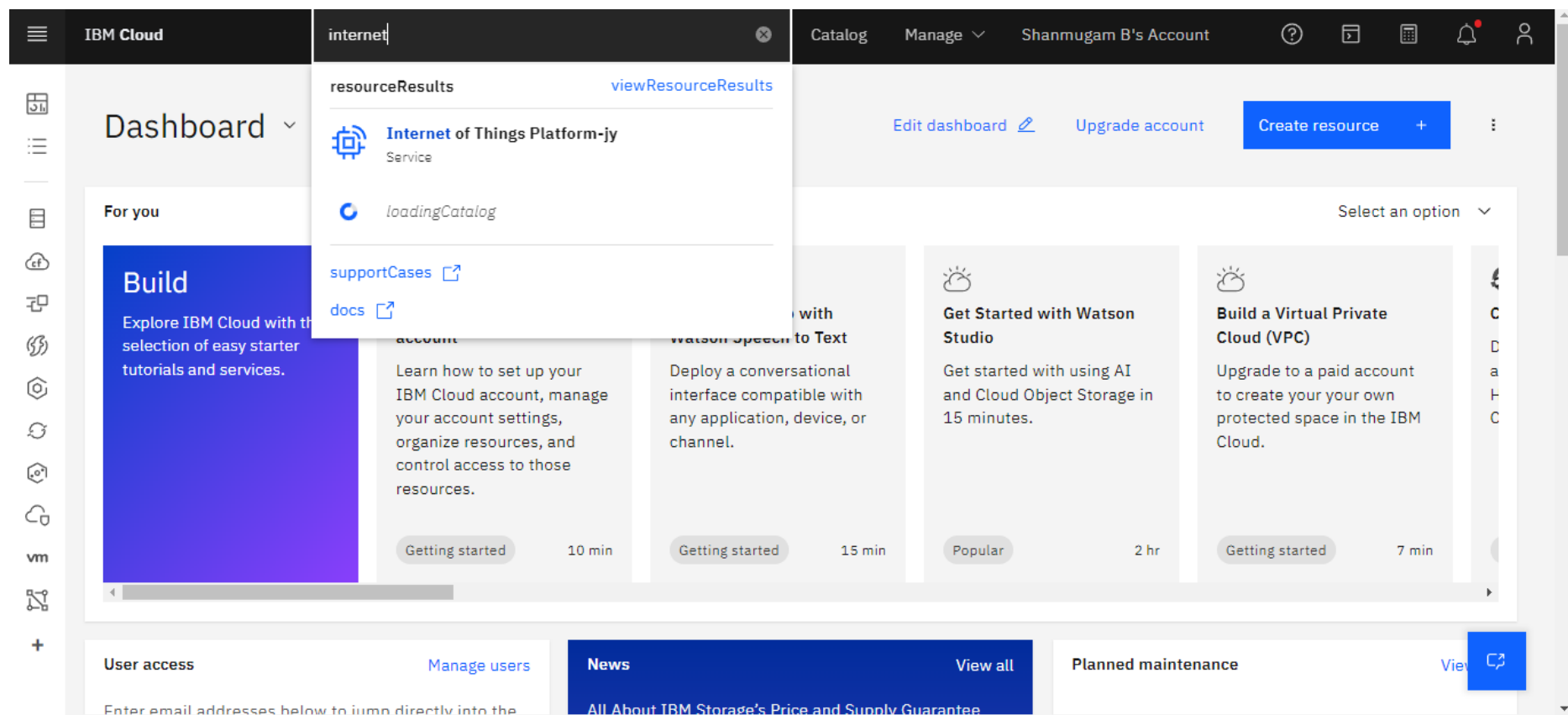
☐ Remember ID

[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.

The screenshot displays the IBM Cloud 'Internet of Things Platform' creation interface. The top navigation bar includes the IBM Cloud logo, a search bar, and links for 'Catalog', 'Manage', and the user's account. The main content area is divided into a left sidebar with service details and a central 'Create' section. The 'Create' section has two tabs: 'Create' (active) and 'About'. Under the 'Create' tab, there is a 'Select a location' dropdown menu currently showing 'Frankfurt (eu-de)'. Below this is a 'Select a pricing plan' section with a table of available plans. The table has columns for 'Plan', 'Features', and 'Pricing'. The 'Lite' plan is selected, showing it is free and includes up to 500 registered devices and 200 MB of data metric. A right-hand summary panel provides a overview of the service, including its location, plan, and a warning about existing Lite plan instances. At the bottom of the summary panel, there is a checkbox for agreeing to the license terms.

**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

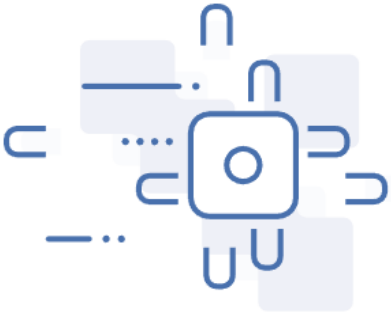
Details

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

✓

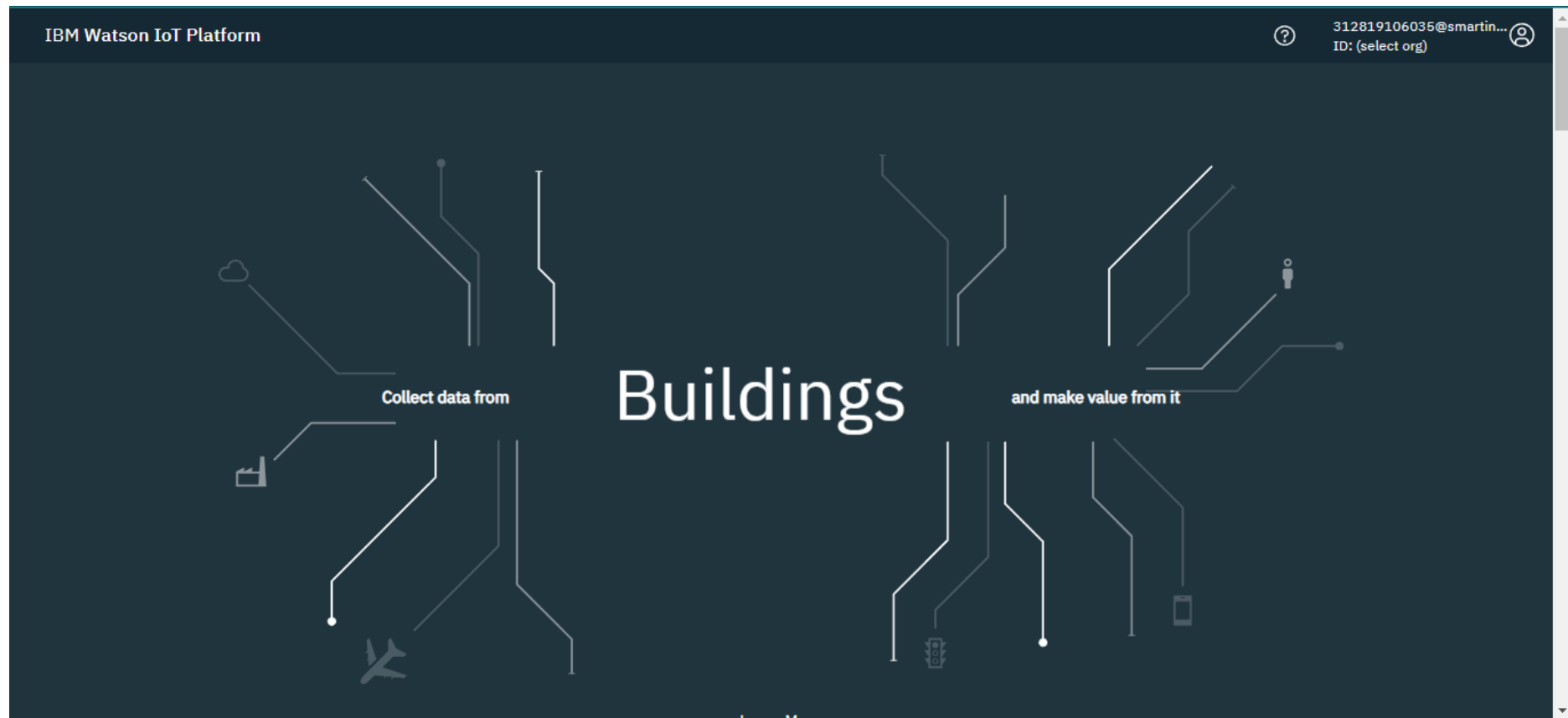
Lite

Non-Production

Production

## STEP 7:

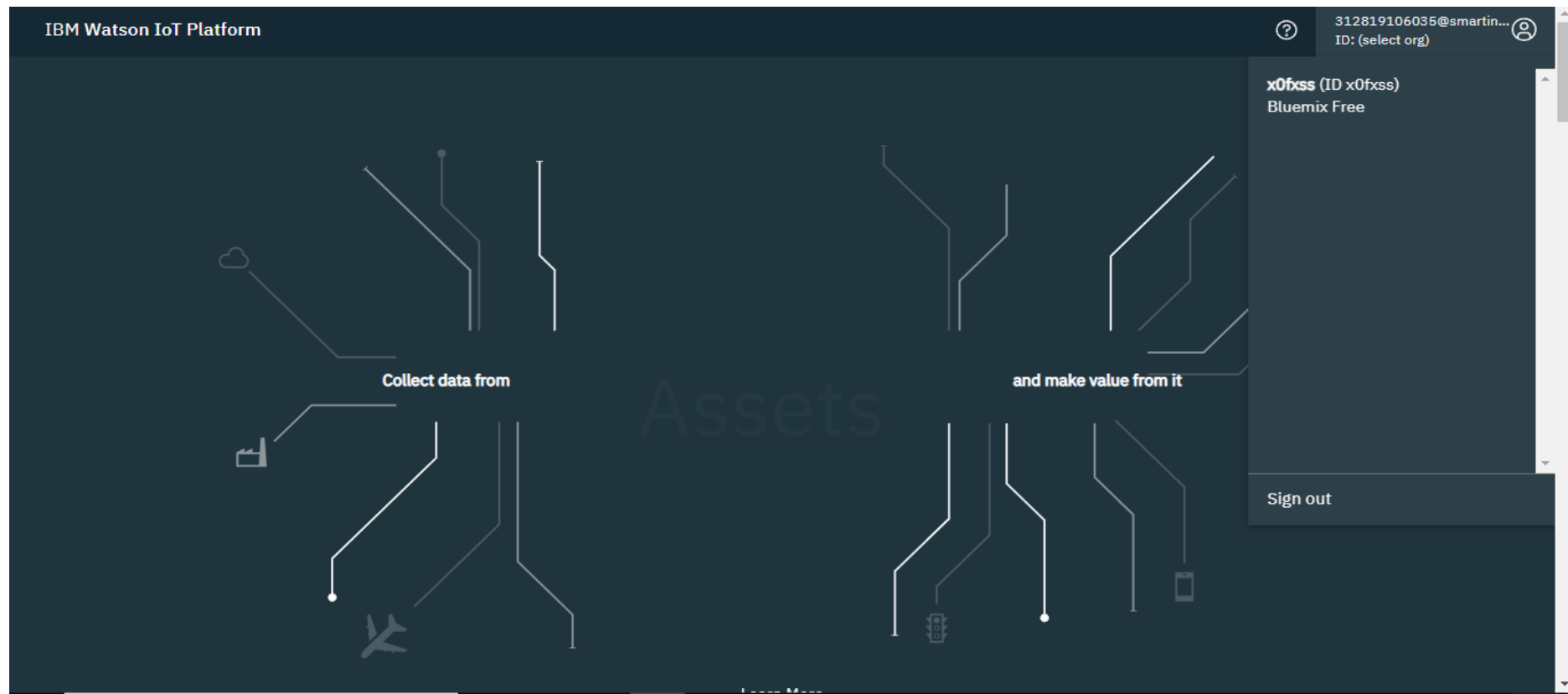
Now Click Launch to launch your platform.





## 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 Device Types Interfaces

Add Device +

### All 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 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 ☐

	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



## STEP 10:

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

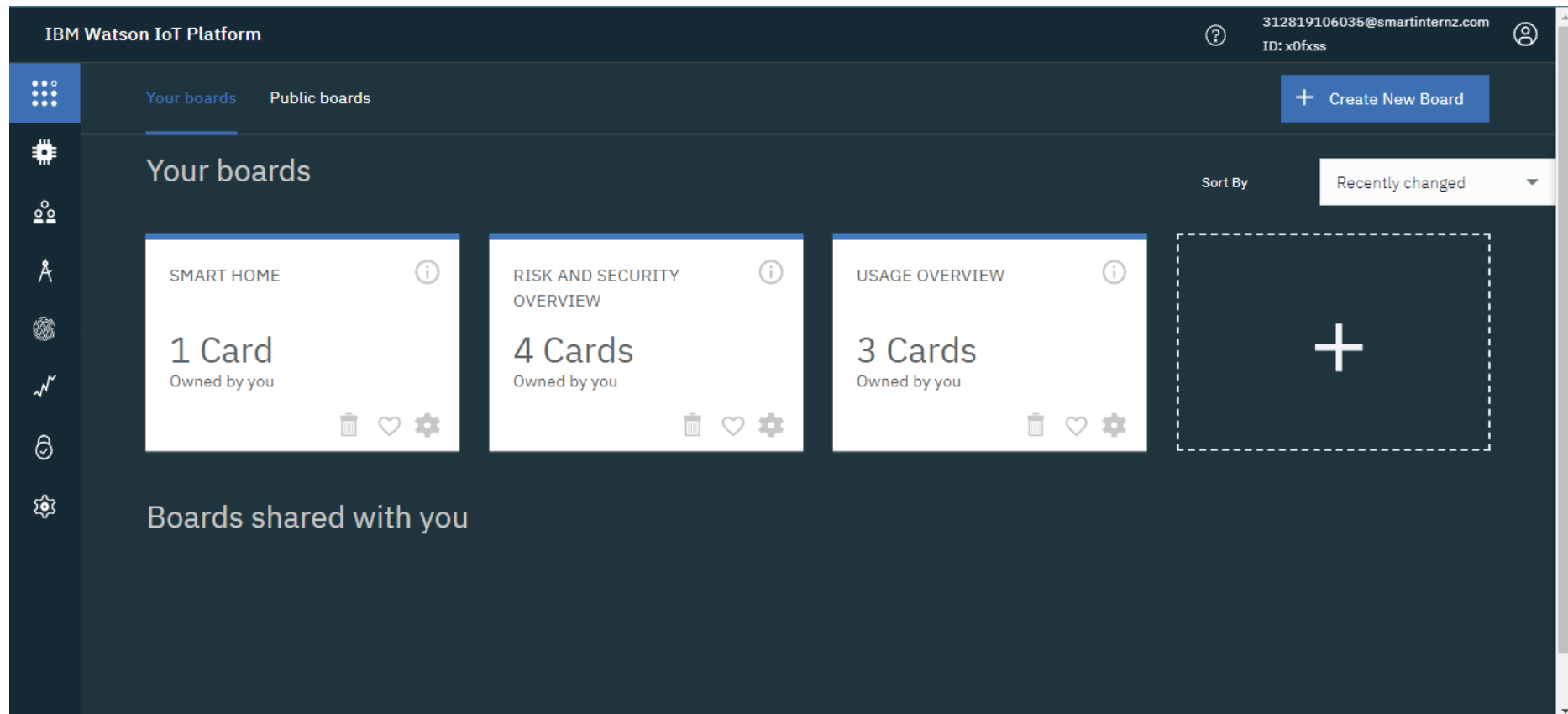
Type the app description to search for

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

## 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.

