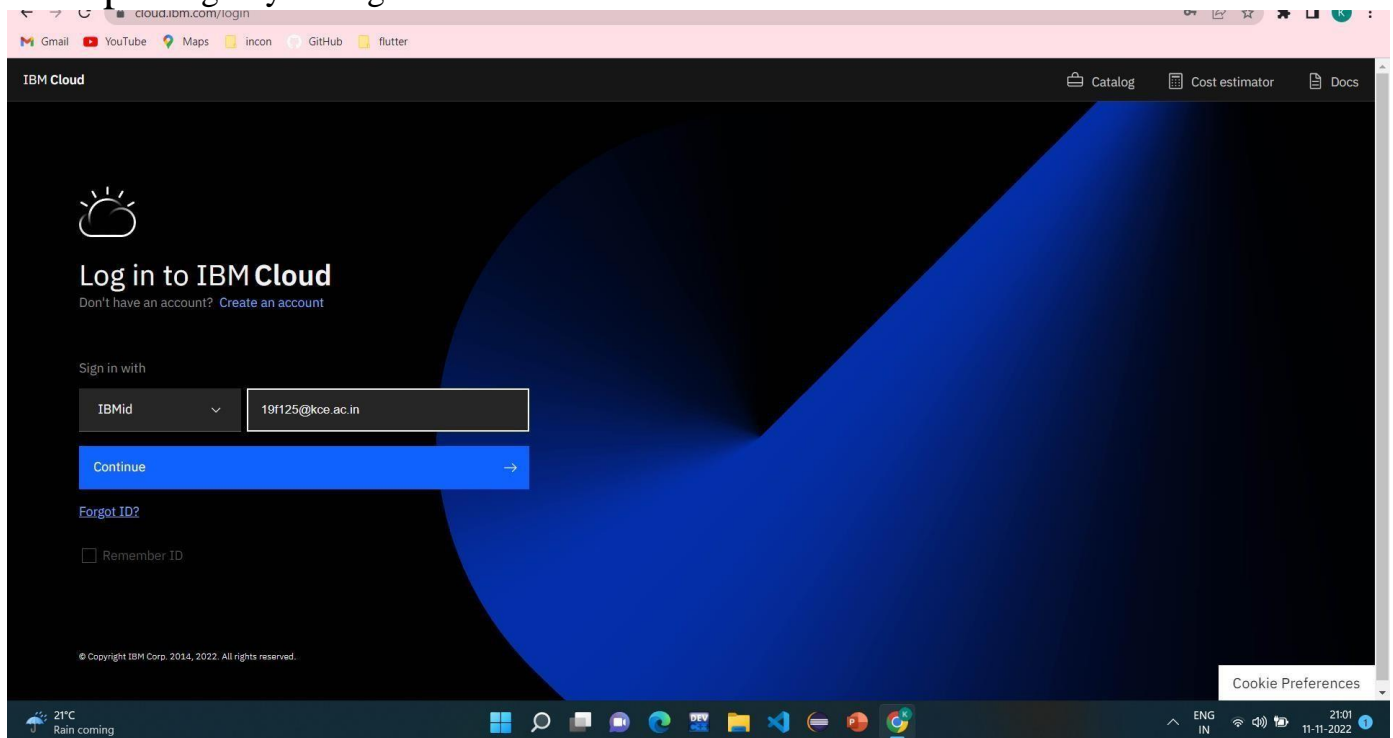


IBM Cloud services

Team ID	PNT2022TMID20108
Project Name	Smart Waste Management System For Metropolitan Cities
Date	14 November 2022

step1: log in your registered id



IBM Cloud services

step 2 : click catalog where you find the services and internet of things you can select and make location as L

The screenshot shows the IBM Cloud user interface. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (Khoushik C S's Account). Below the navigation bar, the main content area is titled 'Internet of Things Platform'. It includes a description: '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.' There are two tabs: 'Create' (active) and 'About'. On the left sidebar, there's a 'Type Service' section with a dropdown menu showing 'Frankfurt (eu-de)'. Below this, there's a 'Select a pricing plan' section with a table of plans. The table has three columns: Plan, Features, and Pricing. The 'Lite' plan is selected, showing features like 'Includes up to 500 registered devices, and a maximum of 200 MB of each data metric' and a pricing of 'Free'. On the right sidebar, there's a 'Summary' section with details like 'Location: Frankfurt', 'Plan: Lite', 'Service name: Internet of Things Platform-1s', and 'Resource group: Default'. At the bottom of the right sidebar, there's a checkbox for 'I have read and agree to the following license agreements:' with a 'Terms' link. Below this are two buttons: 'Create' and 'Add to estimate'. The bottom of the screen shows a Windows taskbar with various application icons and a system tray with the date and time (19:56, 11-11-2022).

IBM Cloud

Search resources and products...

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 London Dallas Washington DC

Related links Docs

21°C Cloudy

ENG IN 19:56 11-11-2022

Summary

Internet of Things Platform Free

Location: Frankfurt

Plan: Lite

Service name: Internet of Things Platform-1s

Resource group: Default

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

Create

Add to estimate

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 Maximum of 500 application bindings Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed	Free

IBM Cloud services

step 3 : click create and the launch tab get open, the lick launch

The screenshot displays the IBM Cloud console interface. At the top, a navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (Khoushik C S's Account). Below the navigation bar, the main content area is titled "Internet of Things Platform-1s" and shows a status of "Active". A sidebar on the left contains links for Manage, Plan, and Connections. The main content area features a large graphic of a central square with four lines extending from it, each ending in a small circle. To the right of this graphic, the text "Let's get started with IBM Watson IoT Platform" is displayed, 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" and "Docs". Further down, a section titled "Ready for the next level?" introduces the "IBM Watson IoT Platform Journey". This journey is represented by a horizontal timeline with three stages: "Lite", "Non-Production", and "Production". The "Lite" stage is currently selected, indicated by a checkmark in a circle. The "Non-Production" stage is marked with an empty circle, and the "Production" stage is also marked with an empty circle. Each stage has a brief description of the service plan it represents.

Resource list /

Internet of Things Platform-1s

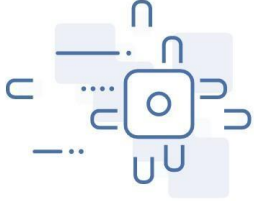
Active Add tags

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

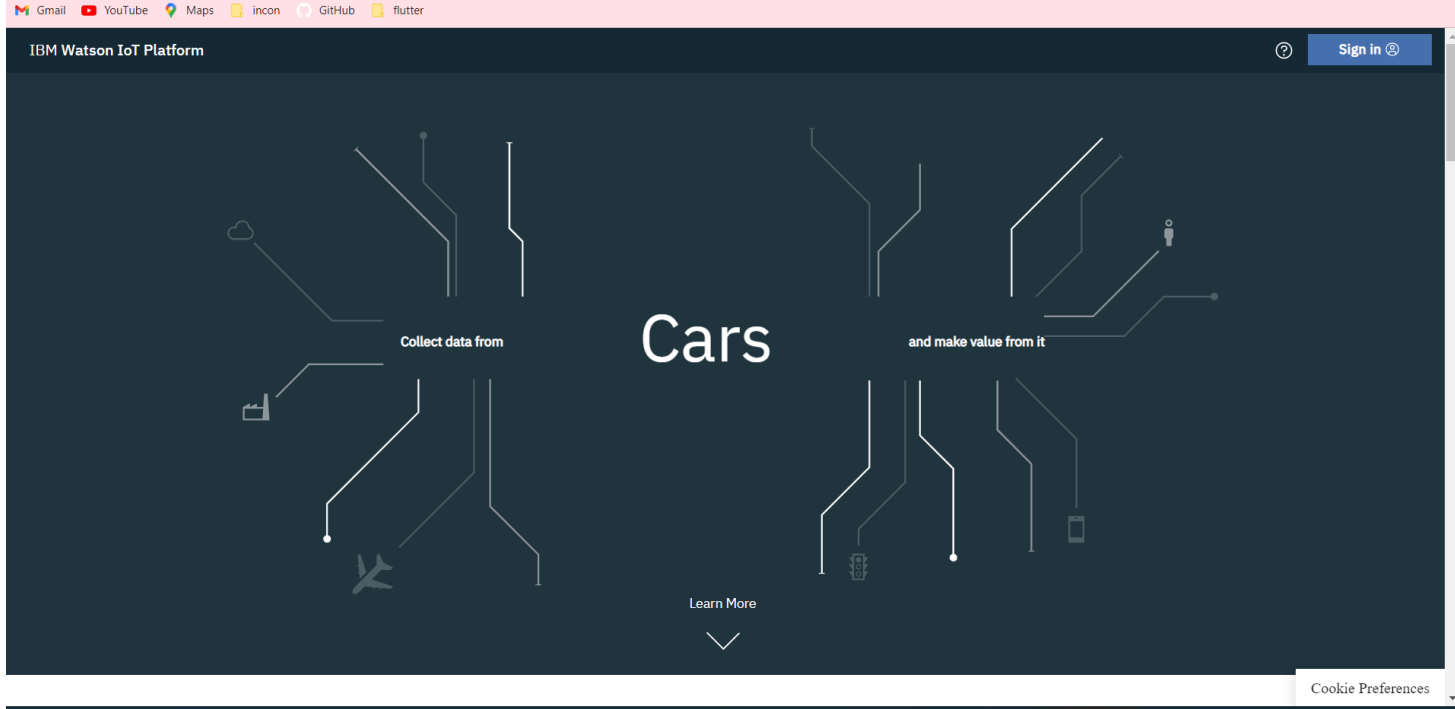
The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.

☐ Production

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

IBM Cloud services

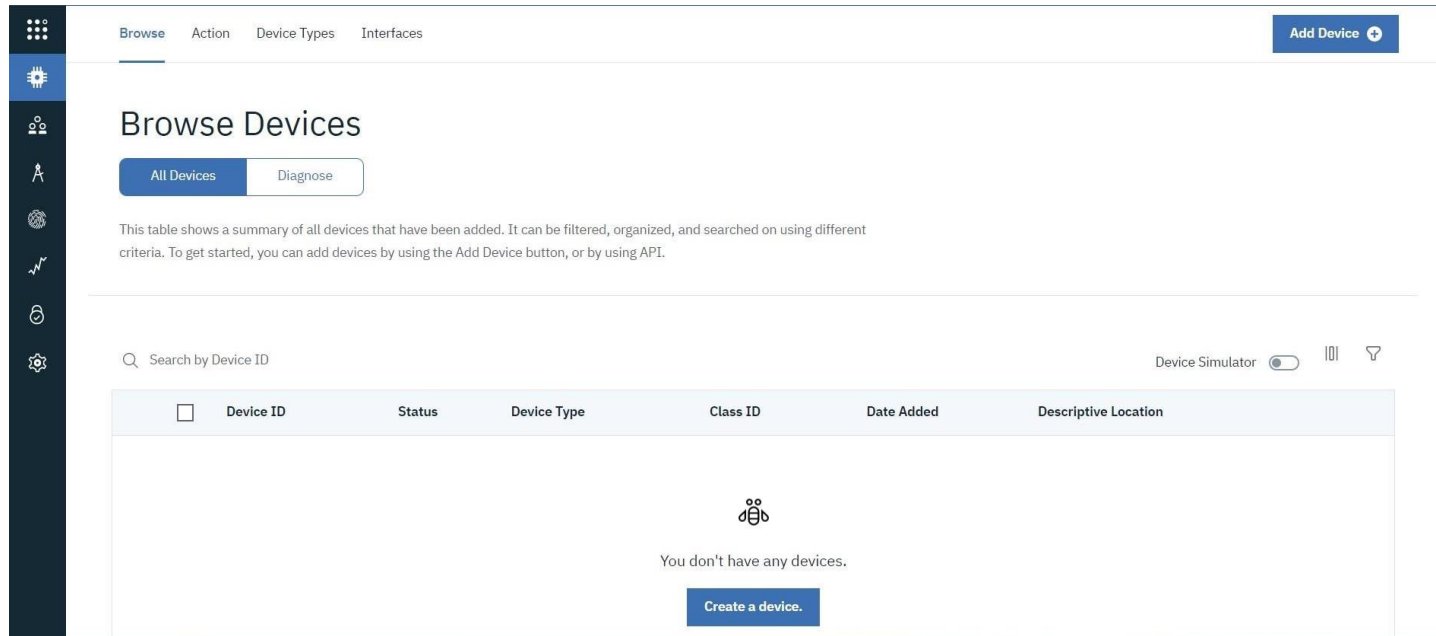
step 4 : It redirect you to IBM WATSON platform whare you need to click sign in



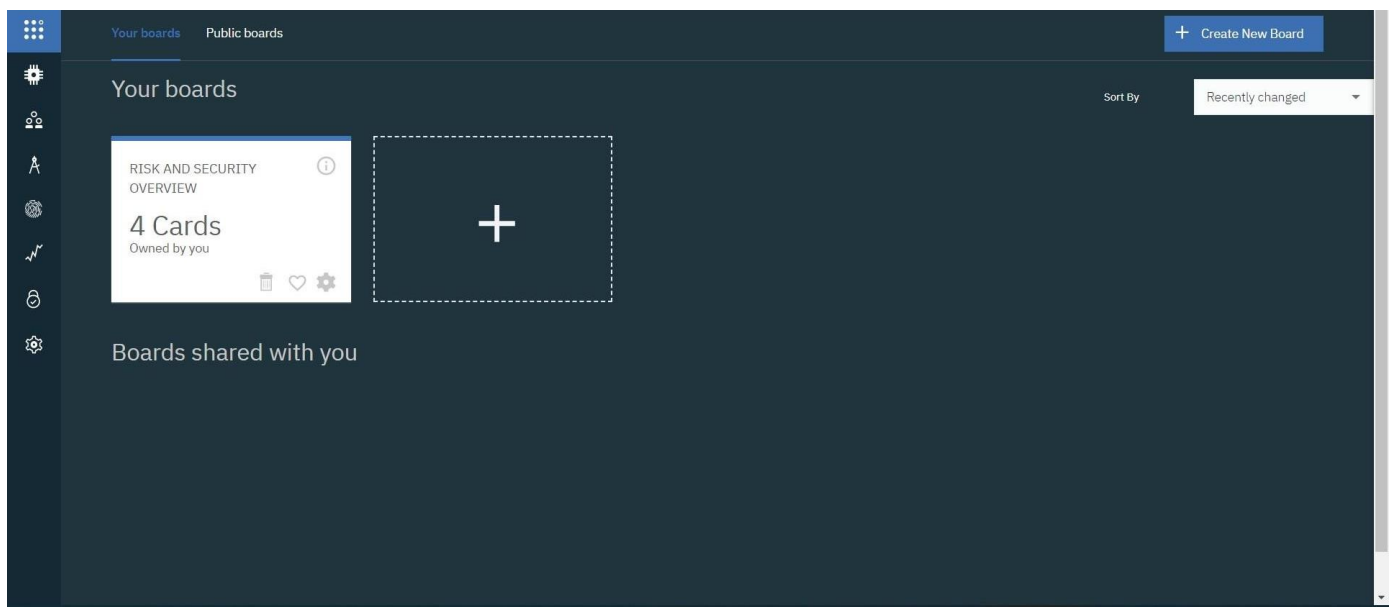
step 5 : you need to log in IBM ID

IBM Cloud services

step 6 : where you find this tab which is used to add device,app, member,usege, security can be worked



step 7 : check board for risk and security overview card, it uses for graphical representation boards



IBM Cloud services

step 8 : after clicking a new device/add device you can chose an device type and device id and complete the following information to create a device

The screenshot shows the 'Add Device' dialog box in the IBM Cloud IoT Platform. The dialog has a sidebar with icons for various functions. The main content area is titled 'Add Device' and features a progress bar with four steps: Identity, Device Information, Security, and Summary. The 'Identity' step is currently active. Below the progress bar, there is a prompt: 'Select a device type for the device that you are adding and give the device a unique ID.' There are two input fields: 'Device Type' with a dropdown menu showing 'Select or create a device type...' and 'Device ID' with a text input field containing 'Enter Device ID'. At the bottom right of the dialog, there are 'Cancel' and 'Next' buttons.

Add Device

Identity Device Information Security Summary

Select a device type for the device that you are adding and give the device a unique ID.

Device Type Select or create a device type...

Device ID Enter Device ID

Cancel Next

Browse Devices

step 9 : create a device of nodemcu

The screenshot shows the 'Device Drilldown' page for device 12345. The page has a sidebar with a 'Back' button and a list of navigation items: Device Credentials, Connection Information, Recent Events, State, Device Information, Metadata, Diagnostics, Connection Logs, and Device Actions. The 'Device Credentials' section is selected. The main content area is titled 'Device Credentials' and contains a message: 'You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details.' Below this message is a table with the following data:

Organization ID	gsadg5
Device Type	NodeMCU
Device ID	12345
Authentication Method	use-token-auth
Authentication Token	!HHFubhQVhRGBNGNA!

Below the table, there is a warning icon and a message: 'Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.' At the bottom, there is a link: 'Find out how to add these credentials to your device'.

Device Drilldown - 12345

Device Credentials

You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details.

Organization ID	gsadg5
Device Type	NodeMCU
Device ID	12345
Authentication Method	use-token-auth
Authentication Token	!HHFubhQVhRGBNGNA!

⚠ Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.

Find out how to add these credentials to your device

IBM Cloud services
