



MAHENDRA INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Smart Farmer-IOT Enabled Smart Farming Application

IBM NALAIYATHIRAN

**Create and Configure IBM services
IOT Watson Platform**

TITLE	Smart Farmer-IOT Enabled Smart Farming Application
DOMAIN NAME	INTERNET OF THINGS
TEAM ID	PNT2022TMID51347
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MENTOR NAME	J.SOPHIA JONE

Step1: Log in your registered id

IBM Cloud

Catalog Cost estimator Docs

Log in to IBM Cloud

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

Sign in with

IBMid 611619104050@smartinternz.com

Continue

[Forgot ID?](#)

☒ Remember ID

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9.24 KB/s 22.77 KB/s 12:03 PM 07-11-2022

Step 2: click catalog where you find the services and internet of thing you can select and make location as London

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 06/15/2022

Category Internet of Things

Compliance IAM-enabled

Locations Frankfurt London Dallas Washington DC

Related links Docs Terms

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 service. Maximum of 500 registered devices. Maximum of 500 application instances. Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed.	Free

The Lite service plan for Internet of Things Platform includes up to 500 registered devices, and a maximum of 200 MB each of data exchanged, data analyzed and edge data analyzed.

Summary

Internet of Things Platform Free

Location: Frankfurt

Plan: Lite

Service name: Internet of Things Platform-ej

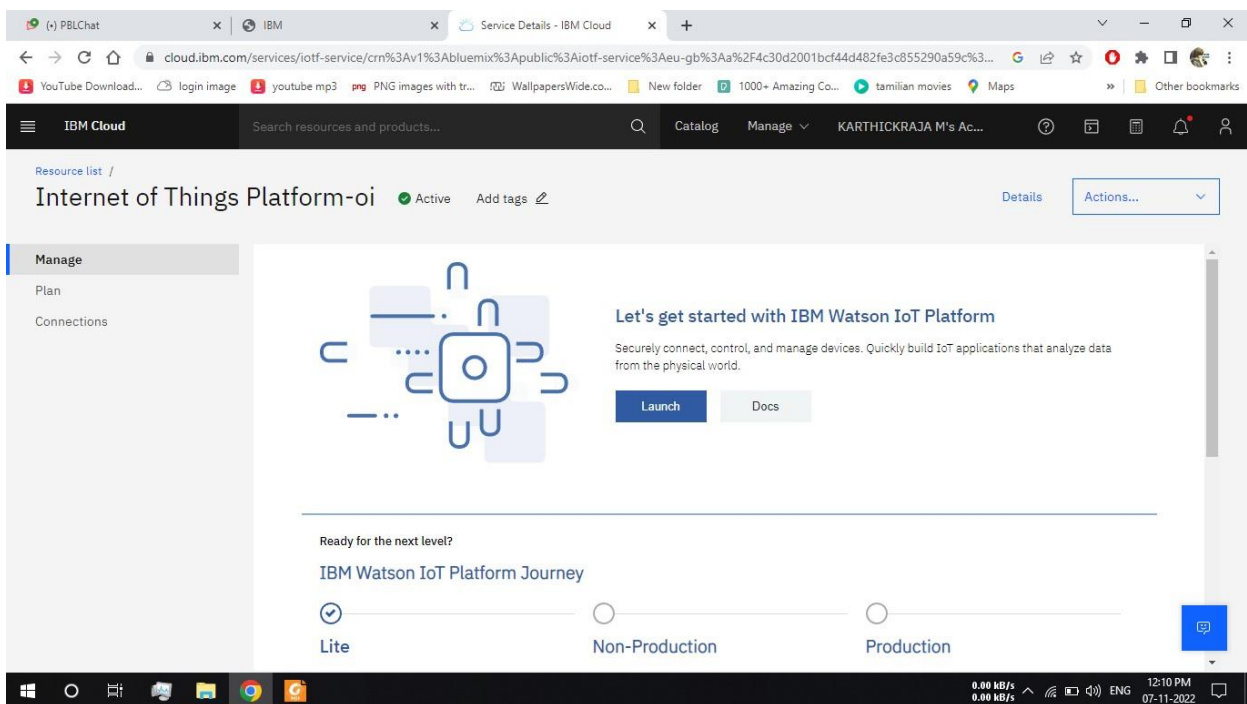
Resource group: Default

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

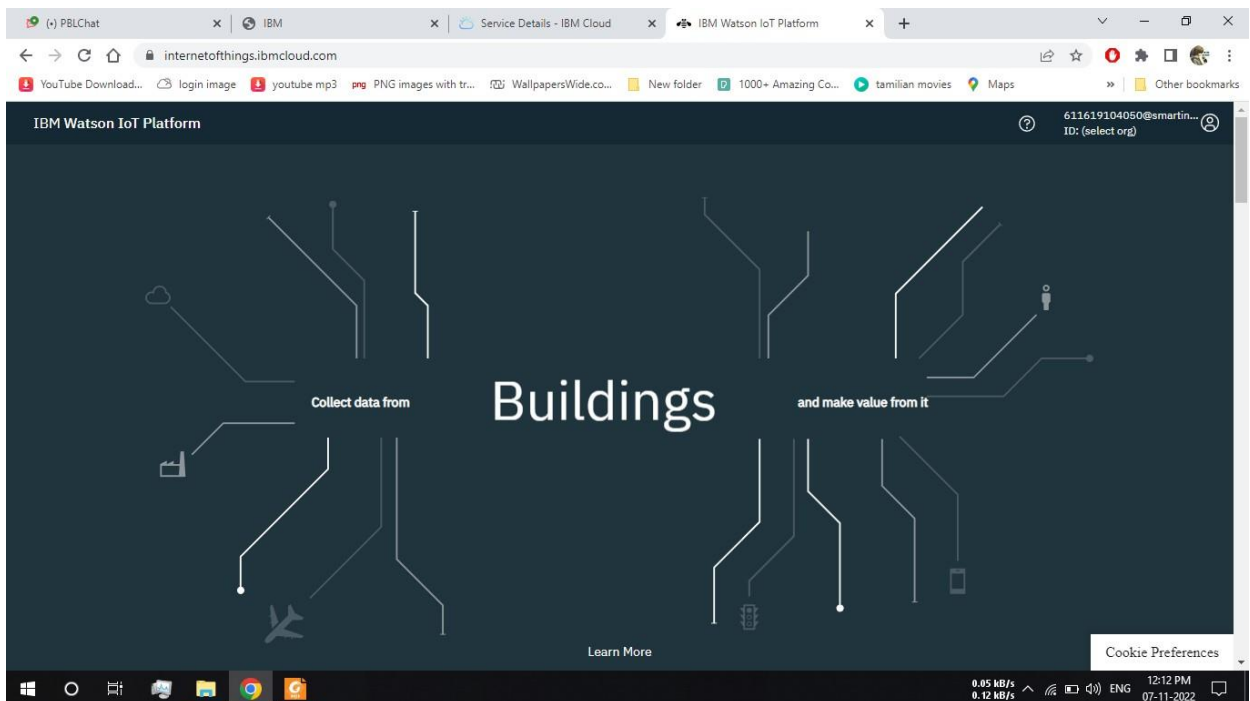
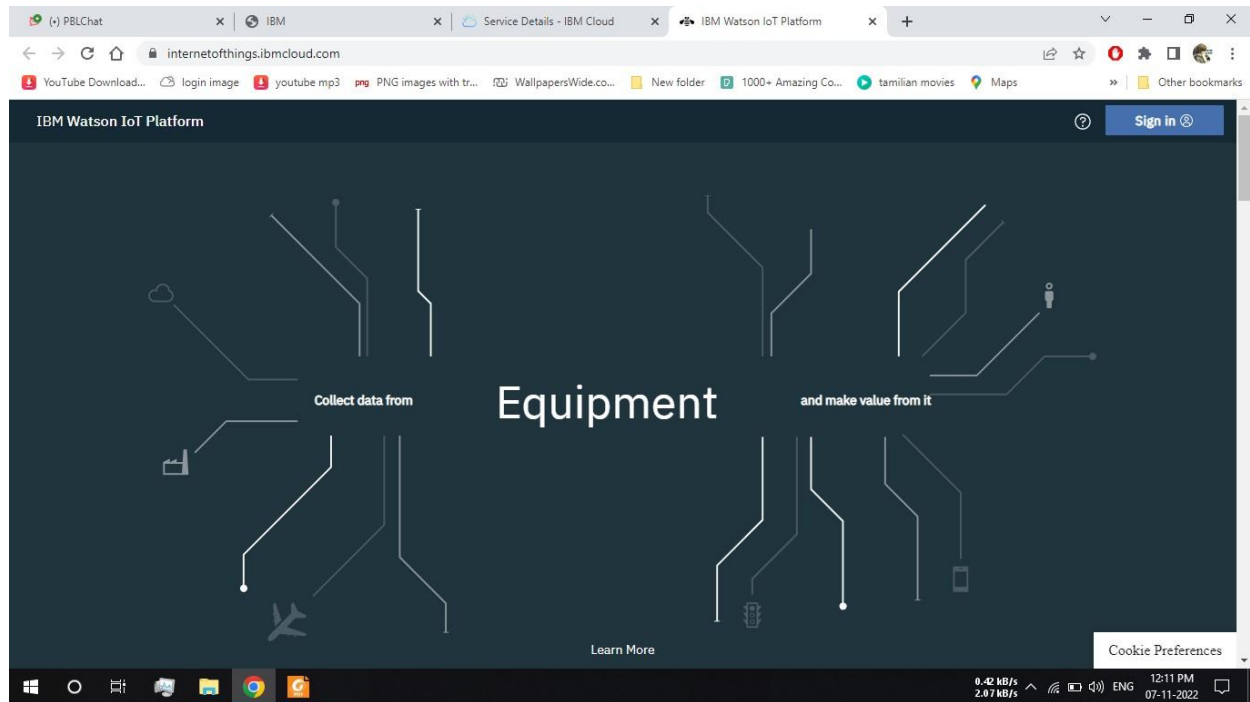
Create

Add to estimate

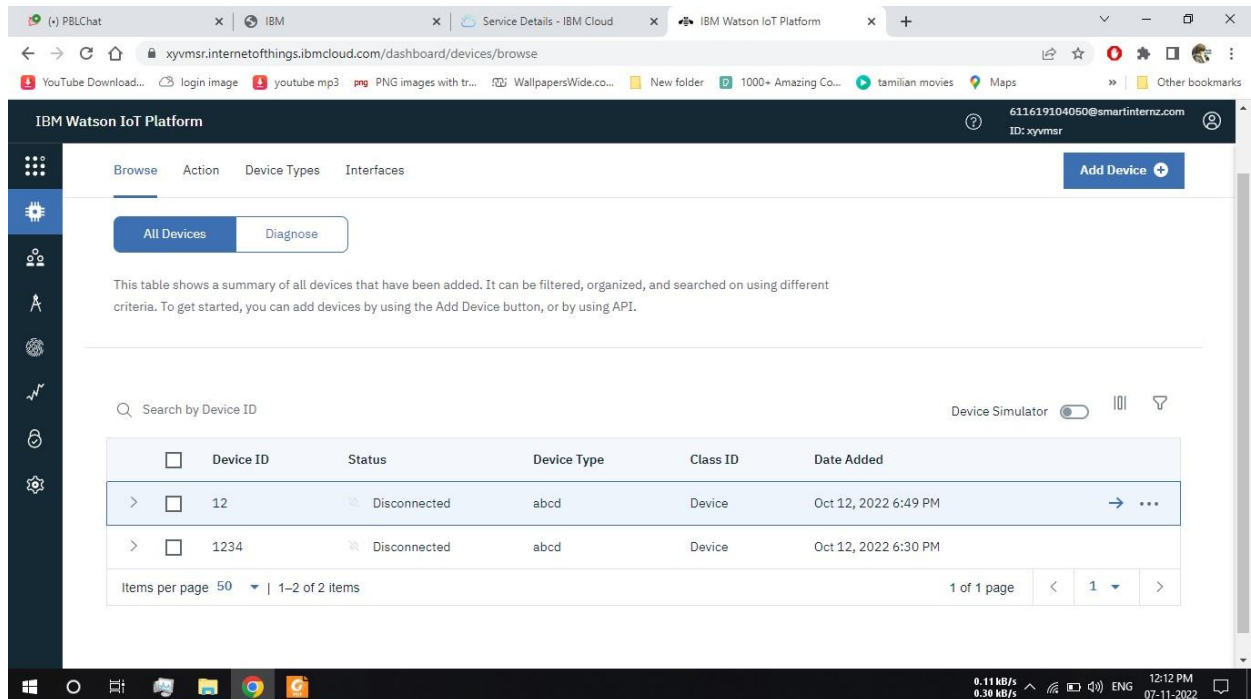
Step 3: click create and the launch tab get open, then click launch



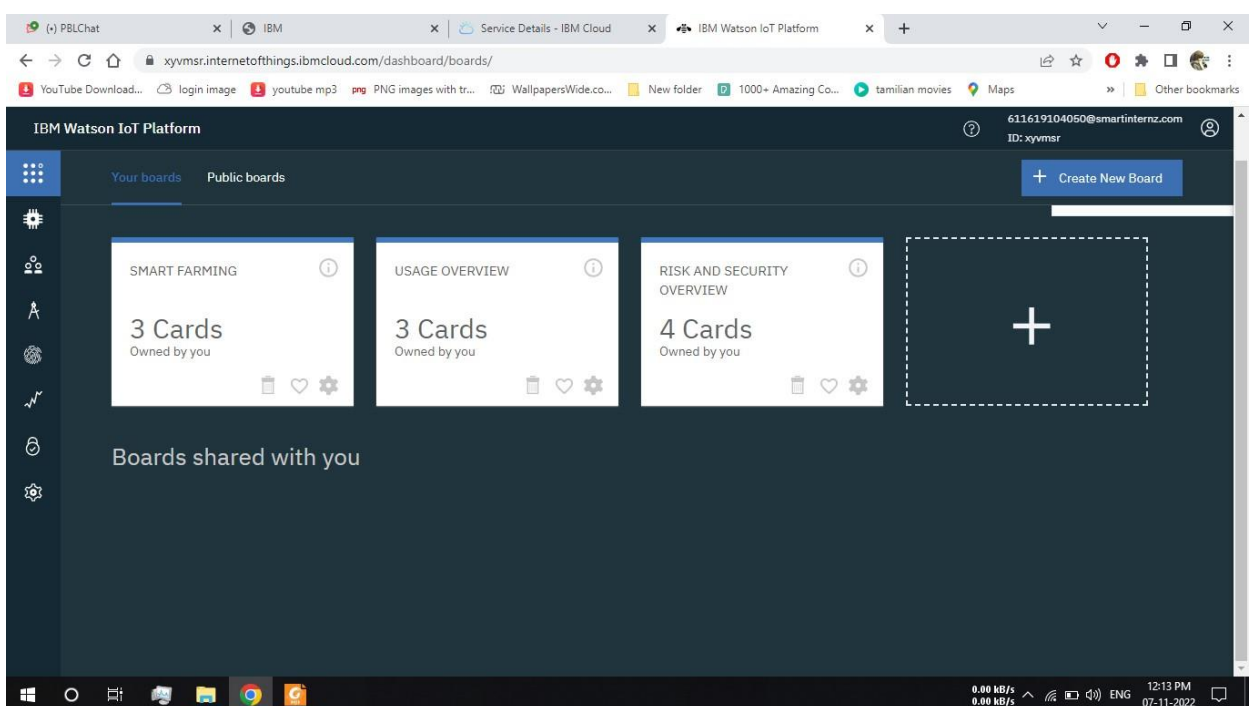
Step 4: It redirect you to IBM WATSON platform where you need to click sign in



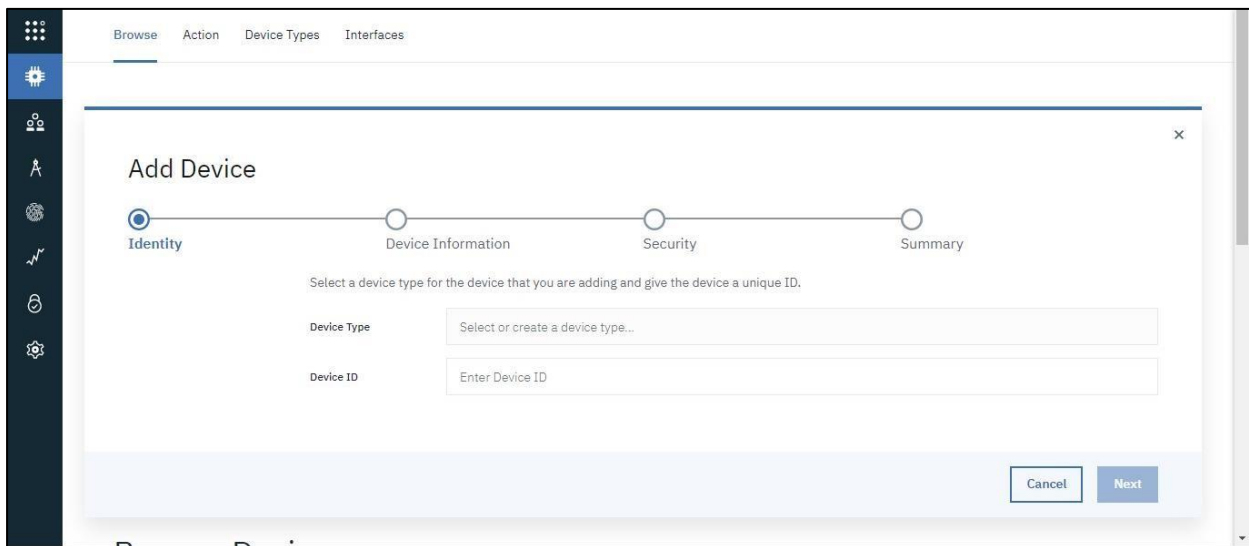
Step 6: where you find this tab which is used to add device, app, member, usage, and security can be worked



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

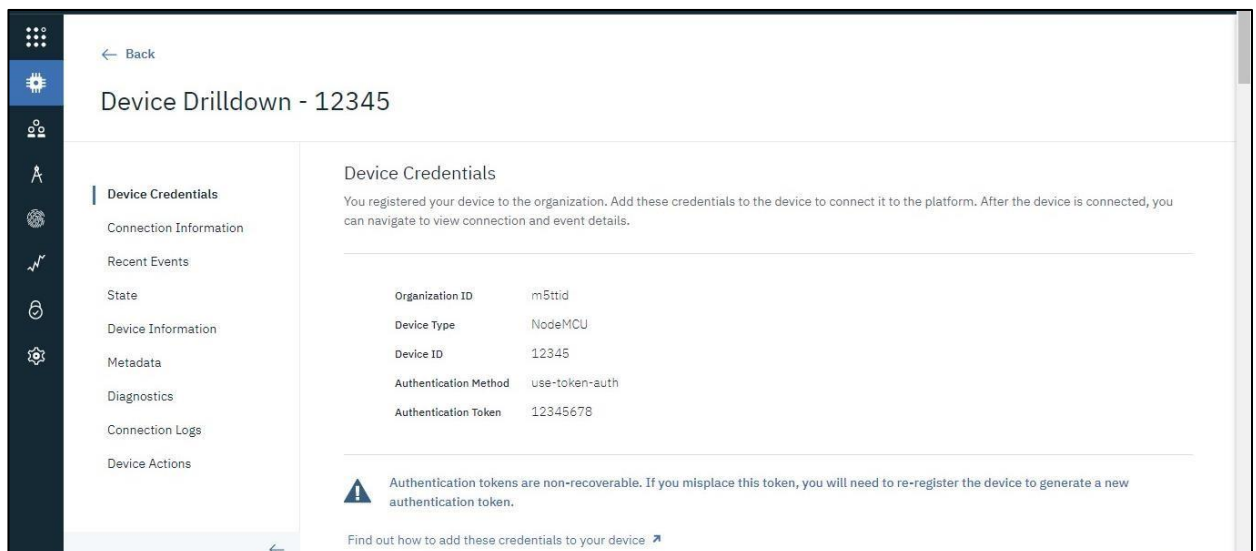


Step 8: after clicking create a new device / add device you can choose an device type and device id and complete the following information to create a device



The screenshot shows a web interface for adding a device. At the top, there are tabs: 'Browse', 'Action', 'Device Types', and 'Interfaces'. Below these is a modal window titled 'Add Device' with a close button (X). Inside the modal, a progress bar shows four steps: 'Identity' (selected), 'Device Information', 'Security', and 'Summary'. Below the progress bar, a message states: '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 showing 'Enter Device ID'. At the bottom right of the modal are 'Cancel' and 'Next' buttons.

Step 9: created a device of NodeMCU



The screenshot shows a web interface for a specific device. At the top, there is a 'Back' button. Below it is the title 'Device Drilldown - 12345'. On the left side, there is a sidebar with a list of links: 'Device Credentials' (selected), 'Connection Information', 'Recent Events', 'State', 'Device Information', 'Metadata', 'Diagnostics', 'Connection Logs', and 'Device Actions'. 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	m5ttid
Device Type	NodeMCU
Device ID	12345
Authentication Method	use-token-auth
Authentication Token	12345678

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'.