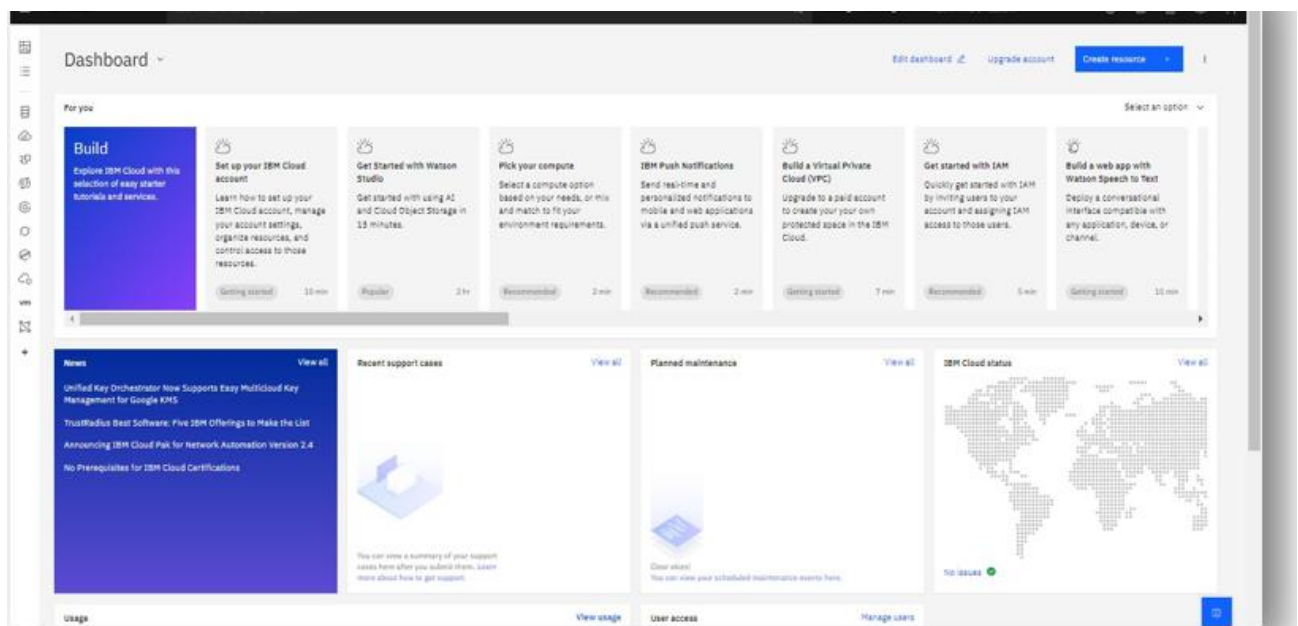


Create and Configure IBM Cloud Services-

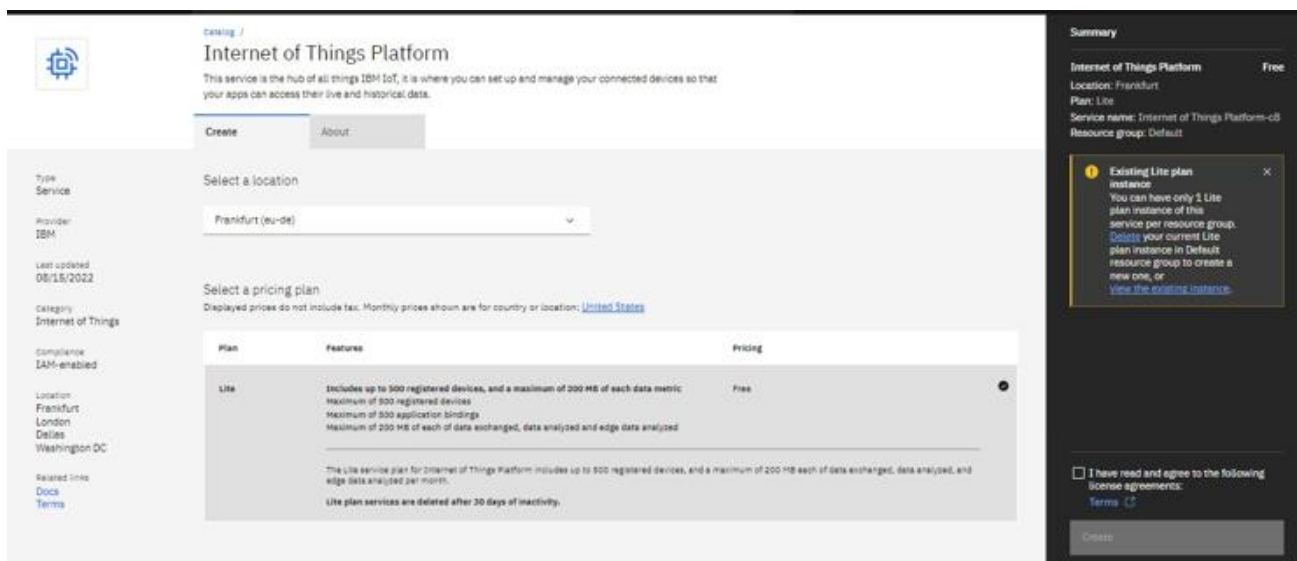
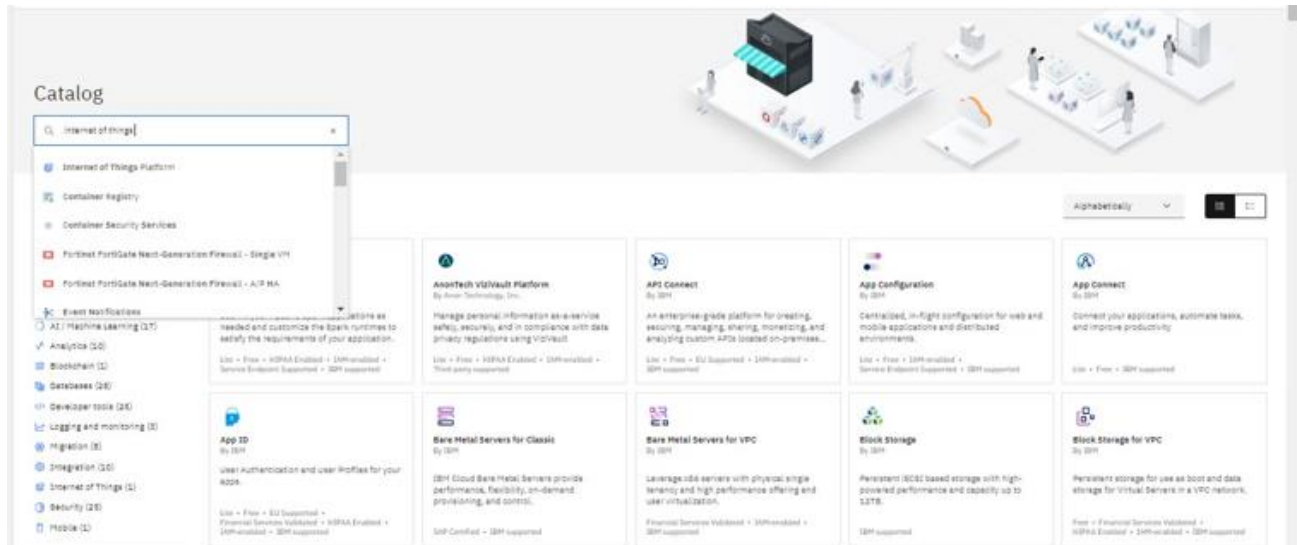
Create The IBM Watson IoT Platform and A Device

Date	7 November 2022
Team ID	PNT2022TMID14185
Project Name	Smart Farmer - IoT Enabled Smart Farming Application

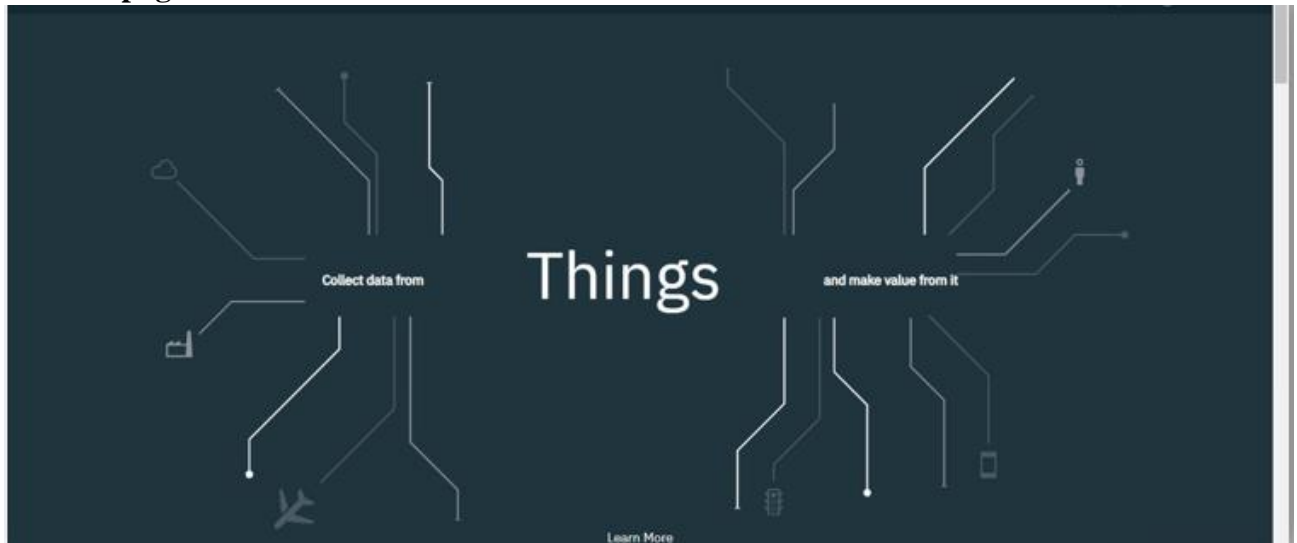
1.Home page of ibm cloud



2. Click on the catalog on the top and choose internet of things platform



3. Clicking on the launch button in the manage tab and after signing into iot , it will open to this page



4. And again clicking on the launch button will open this tab, the device will help in creation of the devices and display the details of the device

BrowseActionDevice TypesInterfaces

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

Abinaya

Device ID

312002

Cancel

Next

5. This page is to enter extra details of the hardware

The screenshot shows the 'Add Device' form with the 'Device Information' step selected. The form is divided into two columns of input fields. The left column contains 'Serial Number', 'Model', 'Description', and 'Hardware Version'. The right column contains 'Manufacturer', 'Device Class', 'Firmware Version', and 'Descriptive Location'. Each field has a placeholder text 'Enter [field name]'. Below the left column is an 'Add Metadata' button with a plus icon. At the bottom right are 'Back' and 'Next' buttons. The progress bar at the top shows four steps: Identity (checked), Device Information (selected), Security (unchecked), and Summary (unchecked).

Field	Placeholder
Serial Number	Enter Serial Number
Model	Enter Model
Description	Enter Description
Hardware Version	Enter Hardware Version
Manufacturer	Enter Manufacturer
Device Class	Enter Device Class
Firmware Version	Enter Firmware Version
Descriptive Location	Enter Descriptive Location

6. Clicking next it goes to the security where we do authentication token id. Clicking on the next it goes to the summary of the device and click finish

The screenshot shows the 'Add Device' form with the 'Summary' step selected. The form displays the information entered in the previous steps. At the bottom, there is a 'View Metadata' button. At the bottom right are 'Back' and 'Finish' buttons. The progress bar at the top shows four steps: Identity (checked), Device Information (checked), Security (checked), and Summary (selected).

Field	Value
Device Type	Abinays
Device ID	312002
Security Token	To be generated

7. Device credentials will display all details

The screenshot shows a web interface for a device drilldown. On the left is a dark sidebar with icons for various functions. The main content area is titled 'Device Drilldown - 312002'. Below the title is a left-hand menu with options: 'Device Credentials' (selected), 'Connection Information', 'Recent Events', 'State', 'Device Information', 'Metadata', 'Diagnostics', 'Connection Logs', and 'Device Actions'. The 'Device Credentials' section is active, displaying a table of credentials and a warning message. Below this is a 'Connection Information' section.

← Back

Device Drilldown - 312002

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	dmu2w
Device Type	ADInjs
Device ID	312002
Authentication Method	Use-token-auth
Authentication Token	H2Usspfhj2*ClcBRX

Warning: 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.](#)

Connection Information

Basic connection information about this device.


Device ID	312002
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8. Clicking on device tab we can see the added device and it will display the other details. It has different tabs like identity, device information, state and login

All Devices Diagnose

🔍 Search by Device ID

Device Simulator

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
> <input type="checkbox"/>	312002	 Disconnected	Abinaya	Device	Nov 7, 2022 12:28 PM
Items per page 50 1-1 of 1 item					1 of 1 page < 1 >

In similar way, we can create n number of devices with a 50 per page limit as per the requirement of the project.

9. The board will display card for the project.

