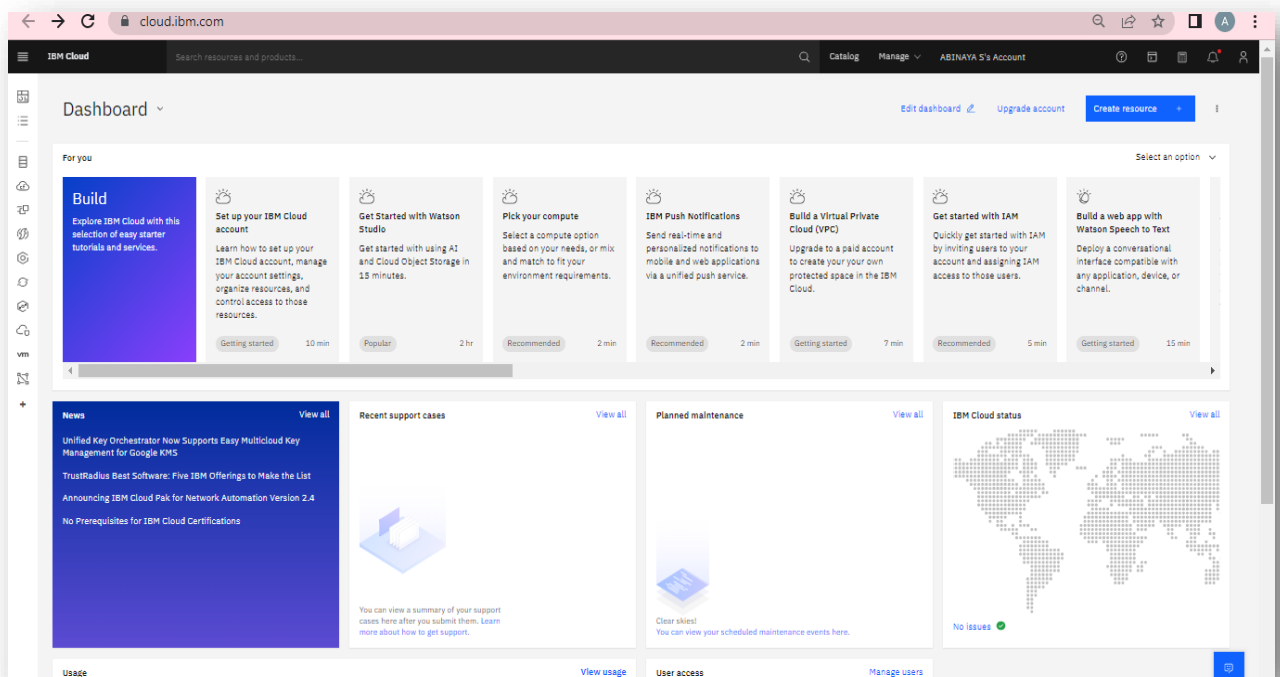


# Create and Configure IBM Cloud Services-

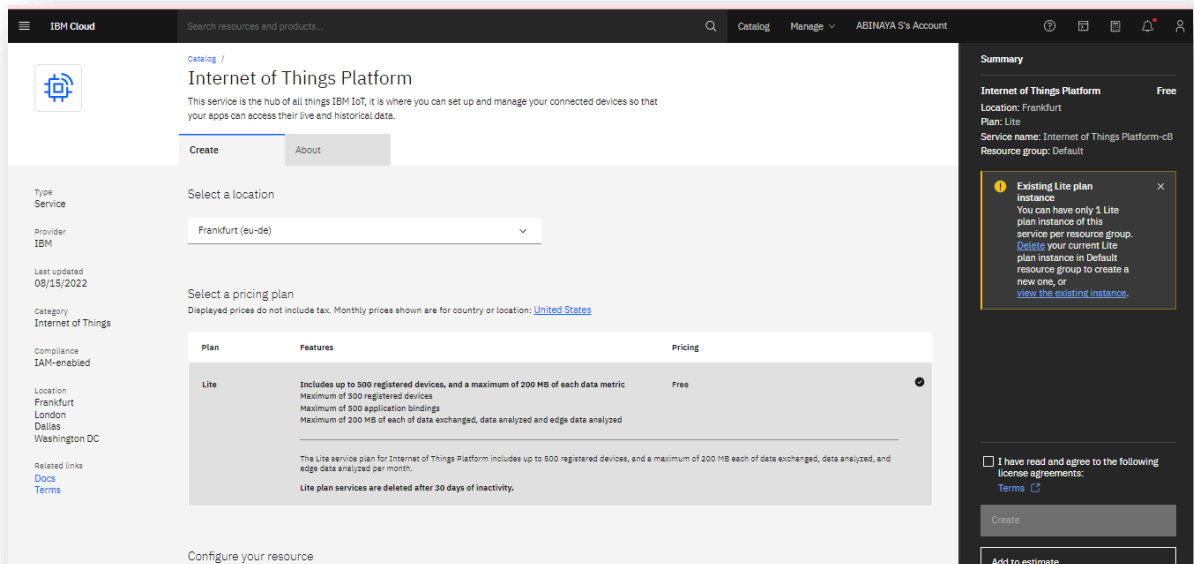
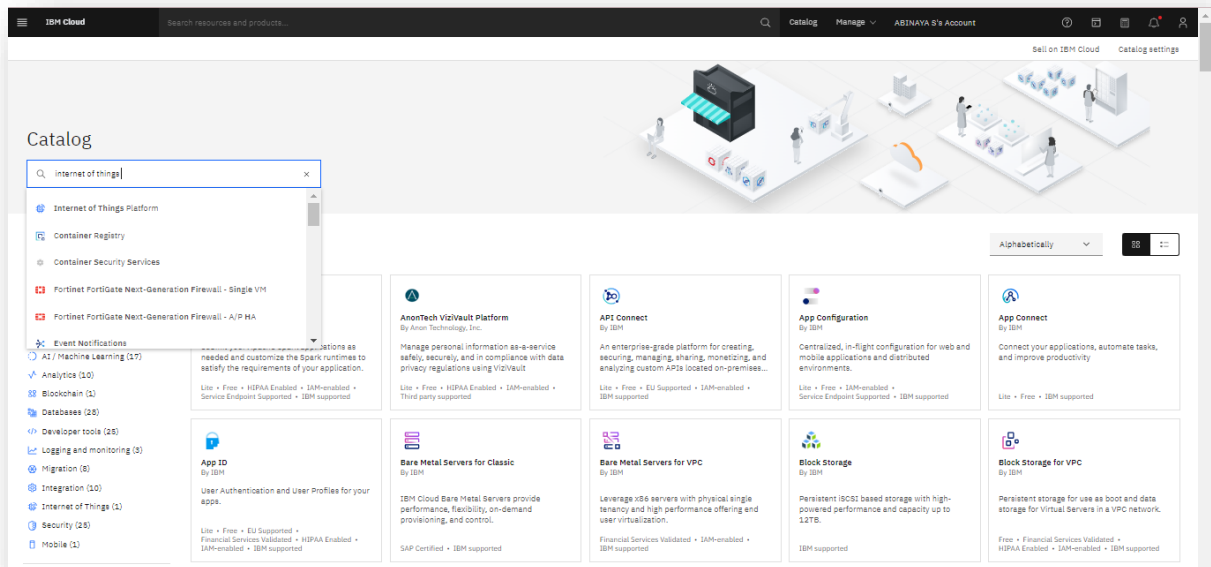
## Create The IBM Watson IoT Platform and A Device

Date	7 November 2022
Team ID	PNT2022TMID51073
Project Name	SmartFarmer - IoT Enabled Smart Farming Application

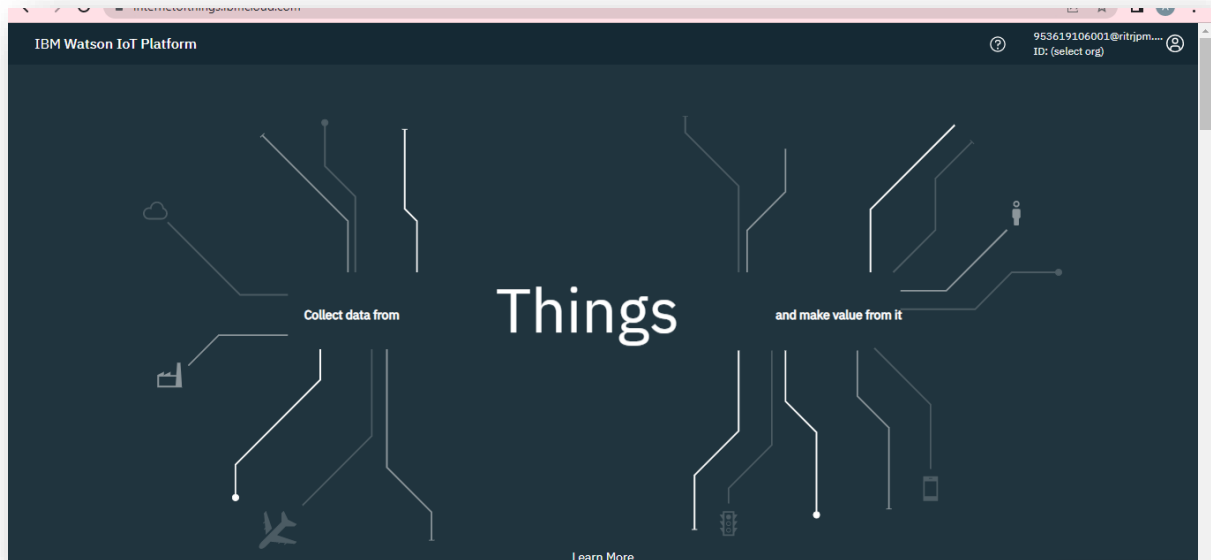
### 1.Home page of ibm cloud



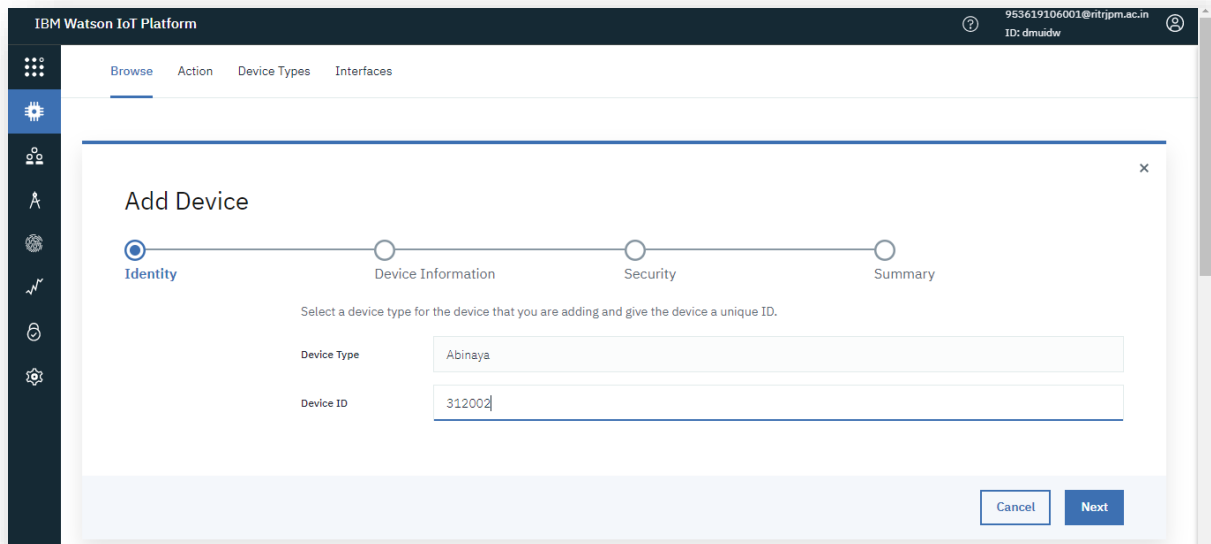
## 2. Click on the catalog on the top and choose internet of things platform



**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**



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

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The progress bar indicates four steps: Identity (completed), Device Information (current), Security, and Summary. The 'Device Information' step contains two columns of input fields. The left column includes 'Serial Number', 'Model', 'Description', and 'Hardware Version'. The right column includes '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.

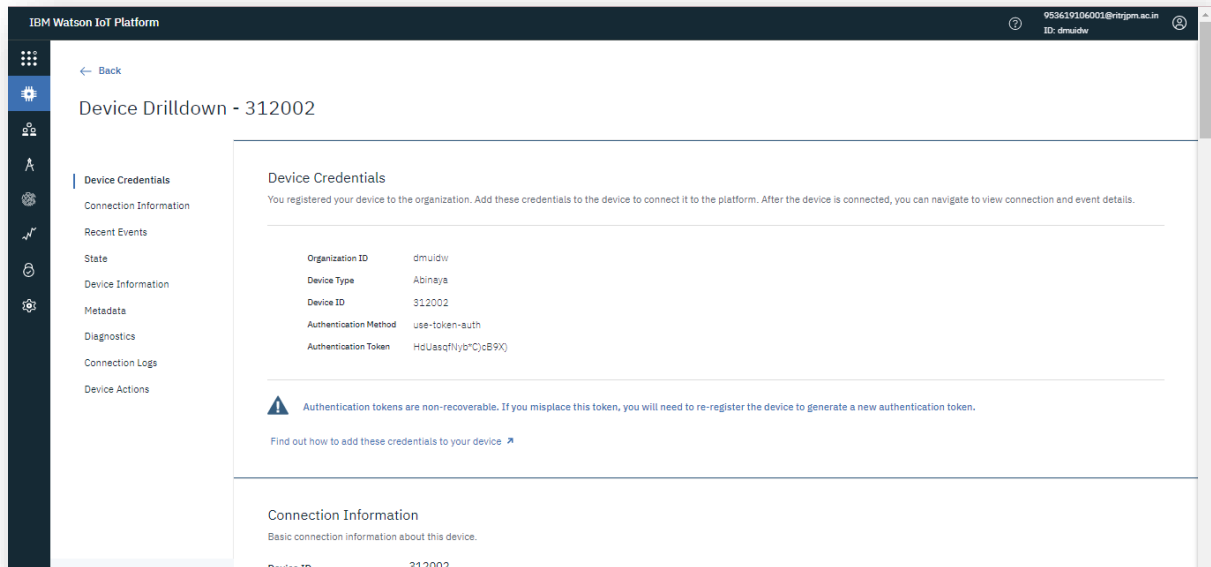
Field	Placeholder
Serial Number	Enter Serial Number
Model	Enter Model
Description	Enter Description
Hardware Version	Enter Hardware Version
Manufacturer	Enter Manufacturer
Device Class	Enter Device Class
Firmware Version	Enter Firmware Version
Descriptive Location	Enter Descriptive Location

## 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' wizard in the IBM Watson IoT Platform, now at the 'Summary' step. The progress bar shows 'Identity', 'Device Information', and 'Security' as completed steps, with 'Summary' as the current step. The summary displays the following information: 'Device Type' is 'Abinaya', 'Device ID' is '312002', and 'Security Token' is 'To be generated'. There is a 'View Metadata' button. At the bottom right are 'Back' and 'Finish' buttons.

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

## 7. Device credentials will display all details

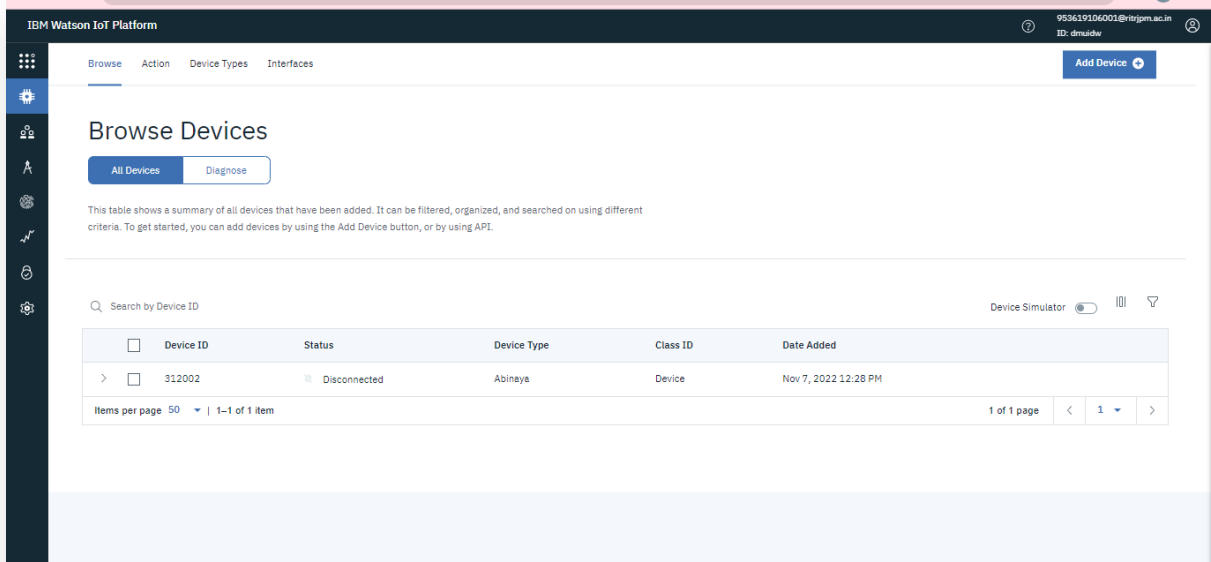


The screenshot shows the IBM Watson IoT Platform interface. The top navigation bar includes the platform name and user information. A sidebar on the left contains various icons for navigation. The main content area is titled "Device Drilldown - 312002" and features a "Device Credentials" tab. This tab displays the following details:

- Organization ID: dmuidw
- Device Type: Abinaya
- Device ID: 312002
- Authentication Method: use-token-auth
- Authentication Token: HdUasqfNy0rCjcB9Xj

Below the credentials, a warning message states: "Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token." A link to "Find out how to add these credentials to your device" is provided. The "Connection Information" section below shows the device ID as 312002.

## 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



The screenshot shows the IBM Watson IoT Platform interface with the "Browse Devices" page. The top navigation bar includes the platform name and user information. A sidebar on the left contains various icons for navigation. The main content area is titled "Browse Devices" and features a "Device Types" tab. This tab displays a table of devices:

Device ID	Status	Device Type	Class ID	Date Added
312002	Disconnected	Abinaya	Device	Nov 7, 2022 12:28 PM

The table includes a search bar, a "Device Simulator" toggle, and a "Diagnose" button. The bottom of the page shows pagination information: "Items per page 50 | 1-1 of 1 item" and "1 of 1 page".

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.

