

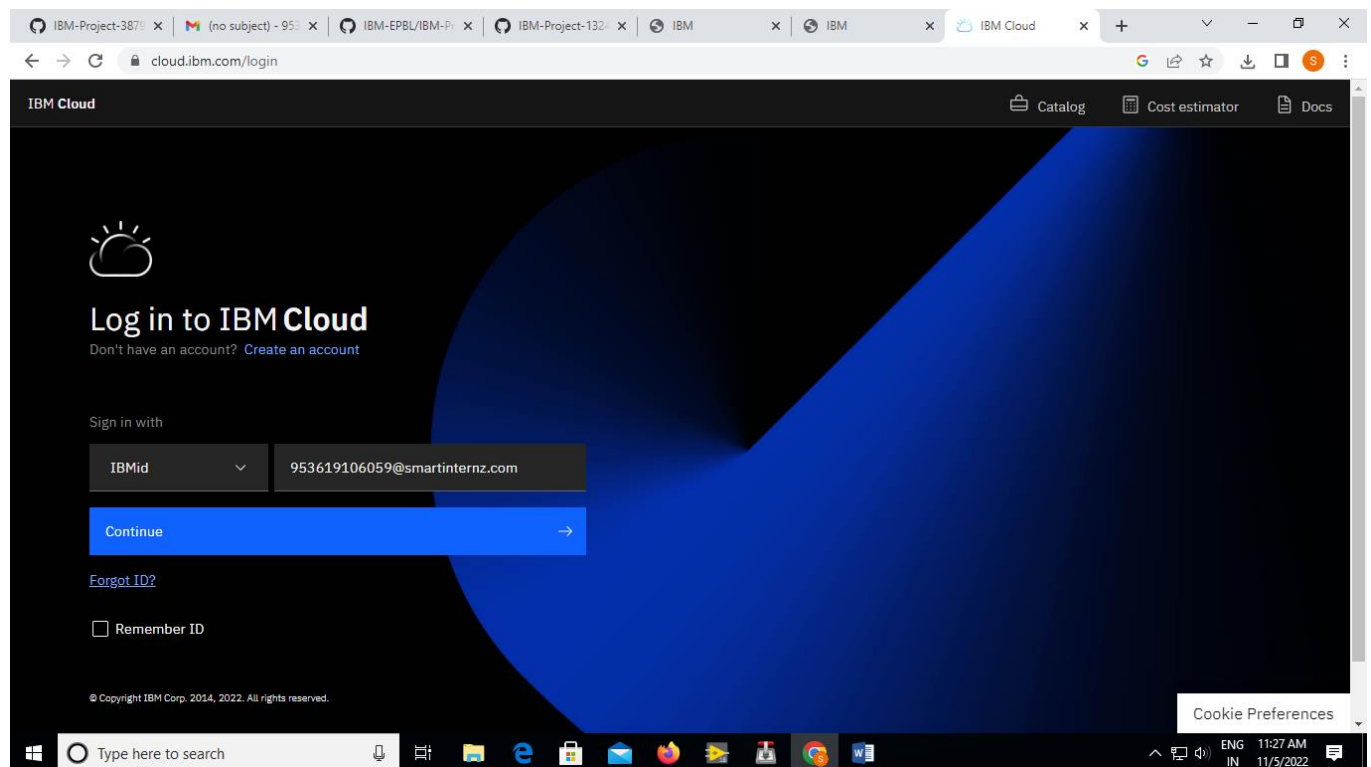
Create And Configure IBM Cloud Service

Create IBM Watson IoT Platform And Device

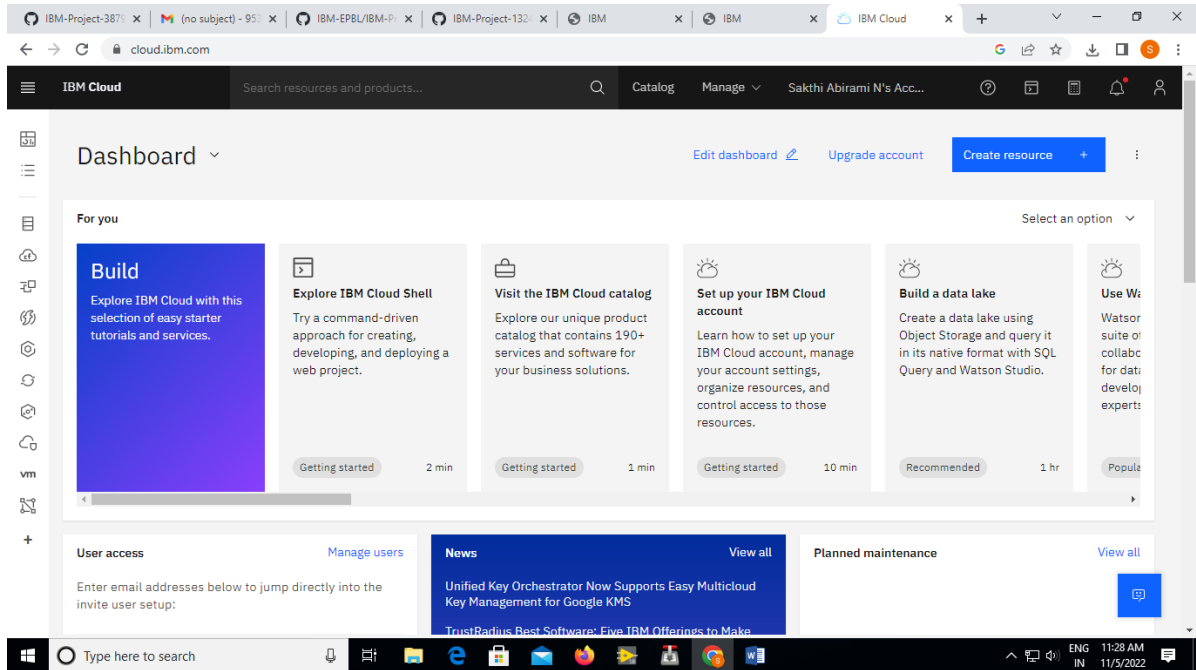
Date	5 November 2022
Team ID	PNT2022TMID51106
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

STEPS

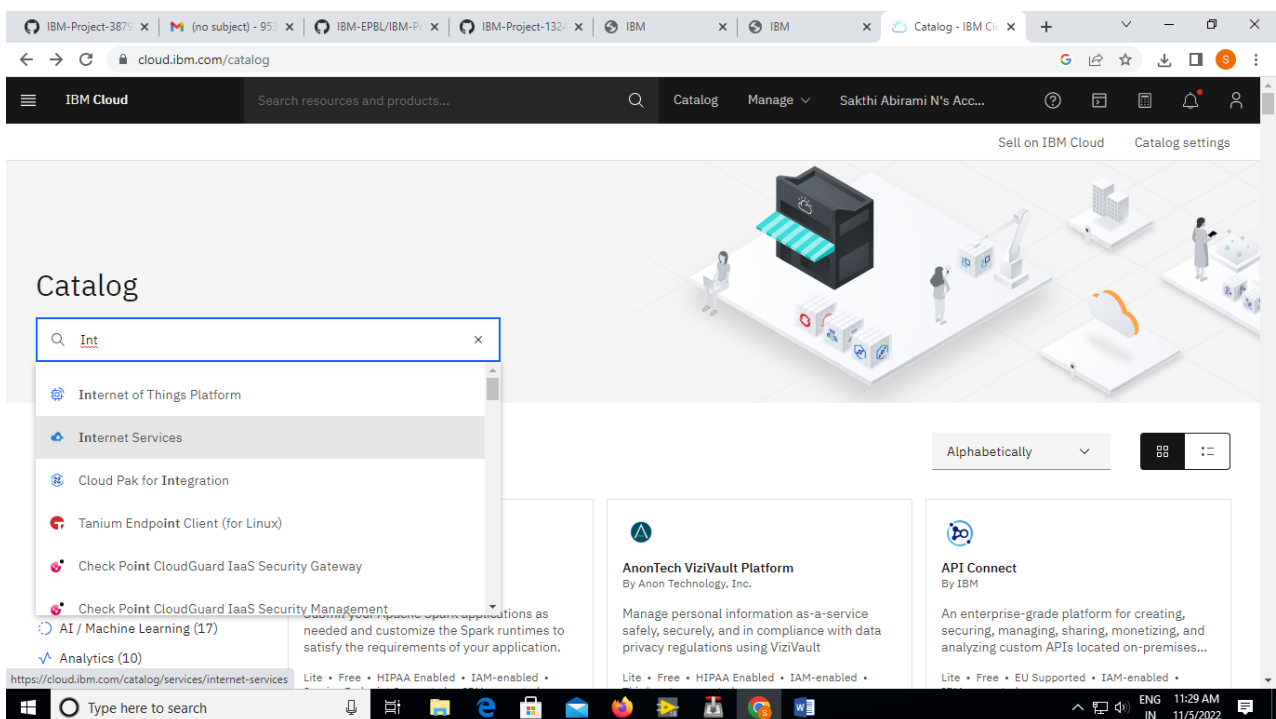
1. Firstly create an IBM cloud account with IBMid and password

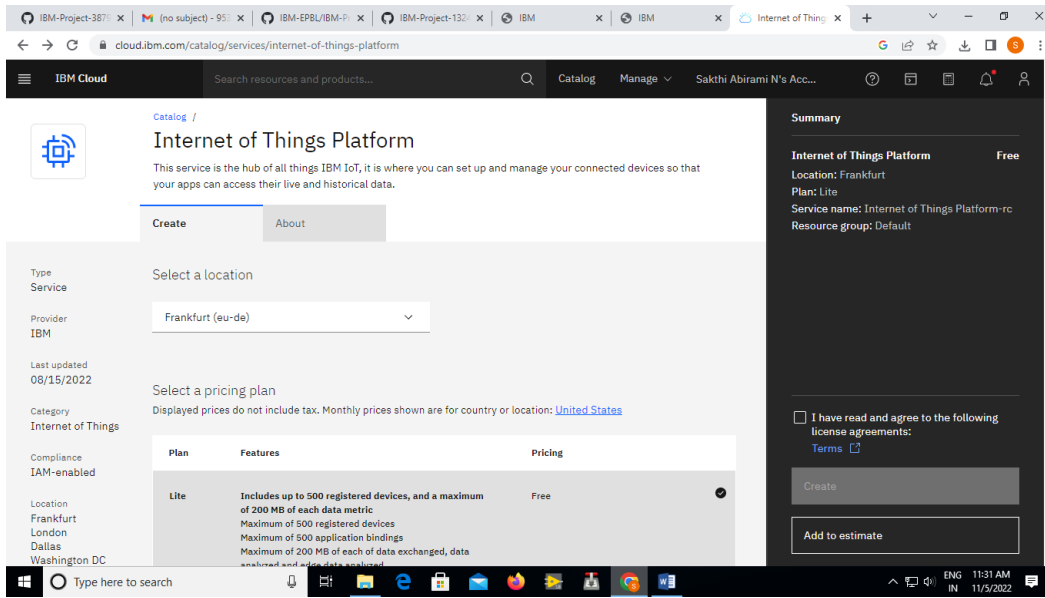


2. Home page of IBM cloud

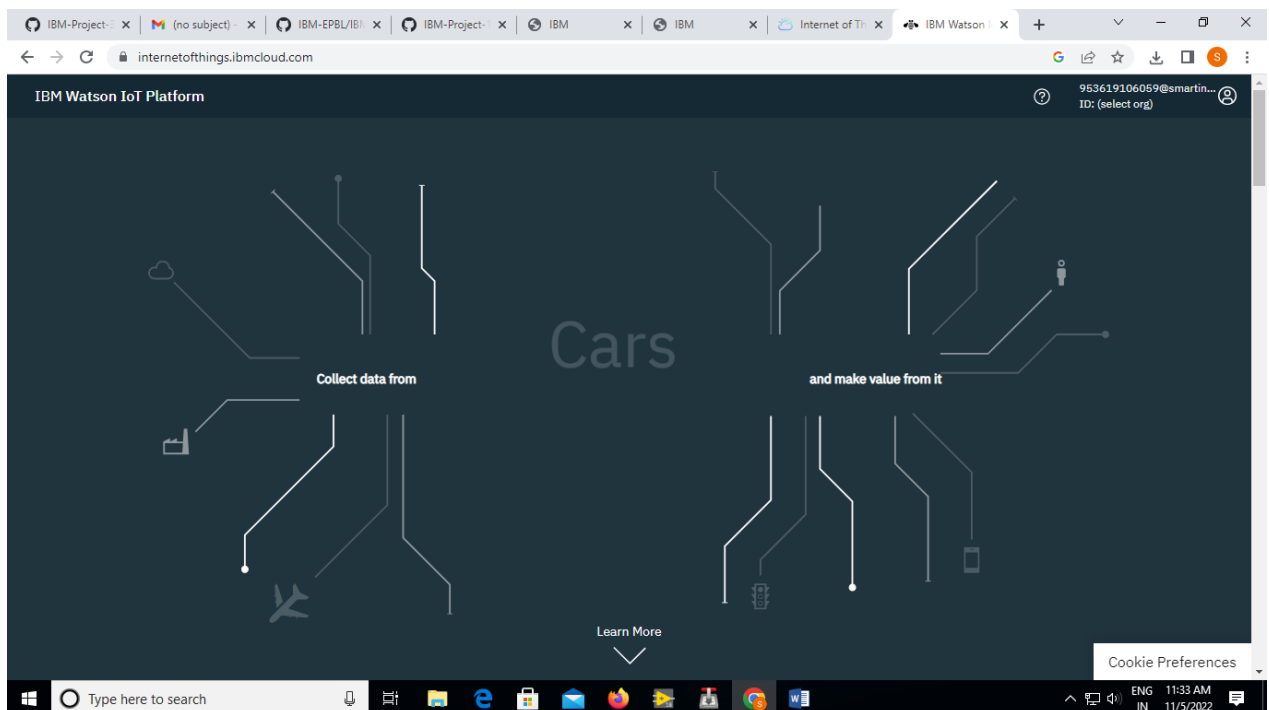


3. Click on the catalog on the top and Choose Internet of Things platform





4. Clicking on the launch button in the manage tab and after signing in IoT, it will open to this page



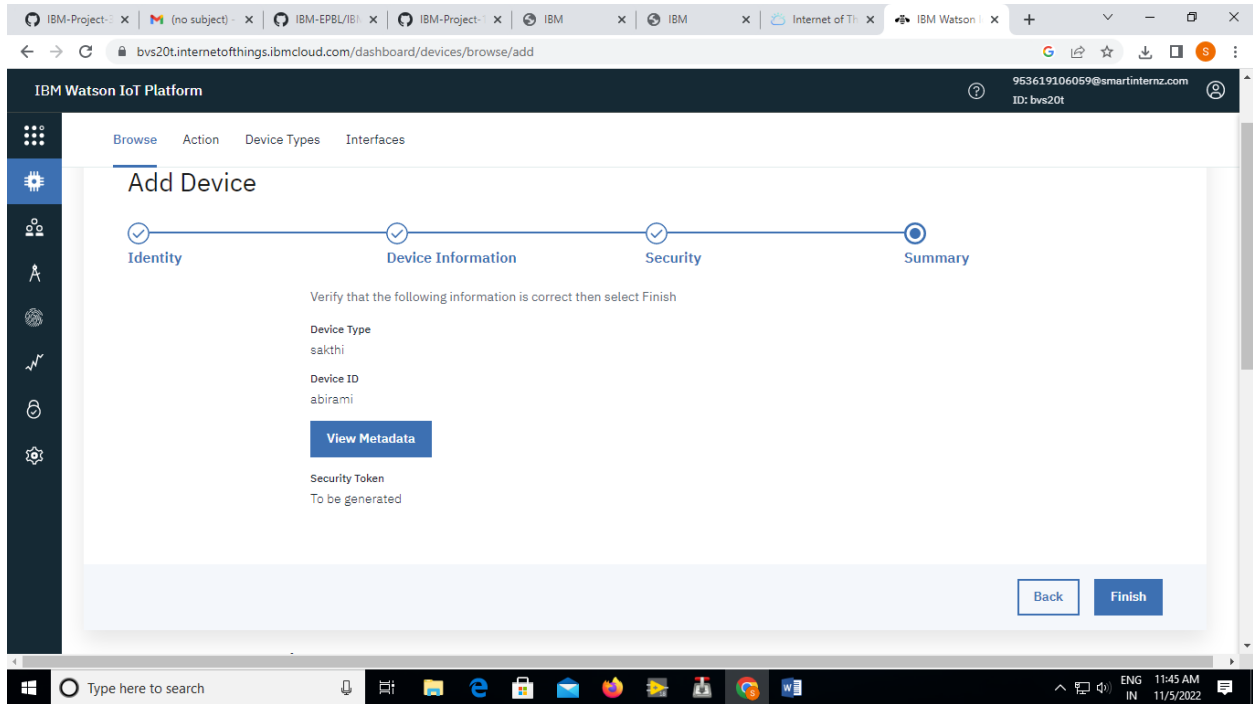
5. And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display of details of the devices.

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The wizard is titled 'Add Device' and has four steps: Identity, Device Information, Security, and Summary. The 'Identity' step is currently active, indicated by a blue circle and the word 'Identity' in blue. Below the step indicator, there is a text 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 the value 'sakthi' and 'Device ID' with the value 'abirami'. At the bottom right of the wizard, there are two buttons: 'Cancel' and 'Next'.

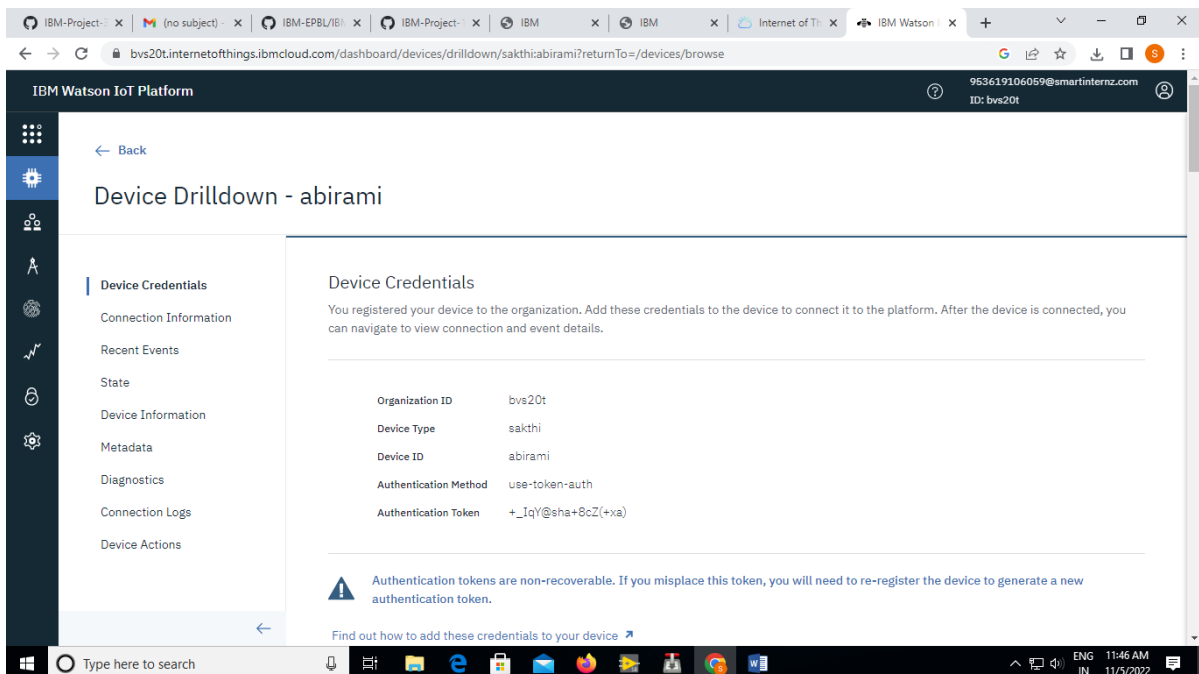
6. This page to enter extra details and of the hardware

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform, now at the 'Device Information' step. The 'Device Information' step is active, indicated by a blue circle and the text 'Device Information' in blue. Below the step indicator, there is a text prompt: 'You can modify the default device information and enter more information about the device for identification purposes.' There are several input fields arranged in two columns. The left column contains: 'Serial Number' (placeholder: 'Enter Serial Number'), 'Model' (placeholder: 'Enter Model'), 'Description' (placeholder: 'Enter Description'), and 'Hardware Version' (placeholder: 'Enter Hardware Version'). The right column contains: 'Manufacturer' (placeholder: 'Enter Manufacturer'), 'Device Class' (placeholder: 'Enter Device Class'), 'Firmware Version' (placeholder: 'Enter Firmware Version'), and 'Descriptive Location' (placeholder: 'Enter Descriptive Location'). At the bottom left of the wizard, there is a button labeled 'Add Metadata' with a plus icon.

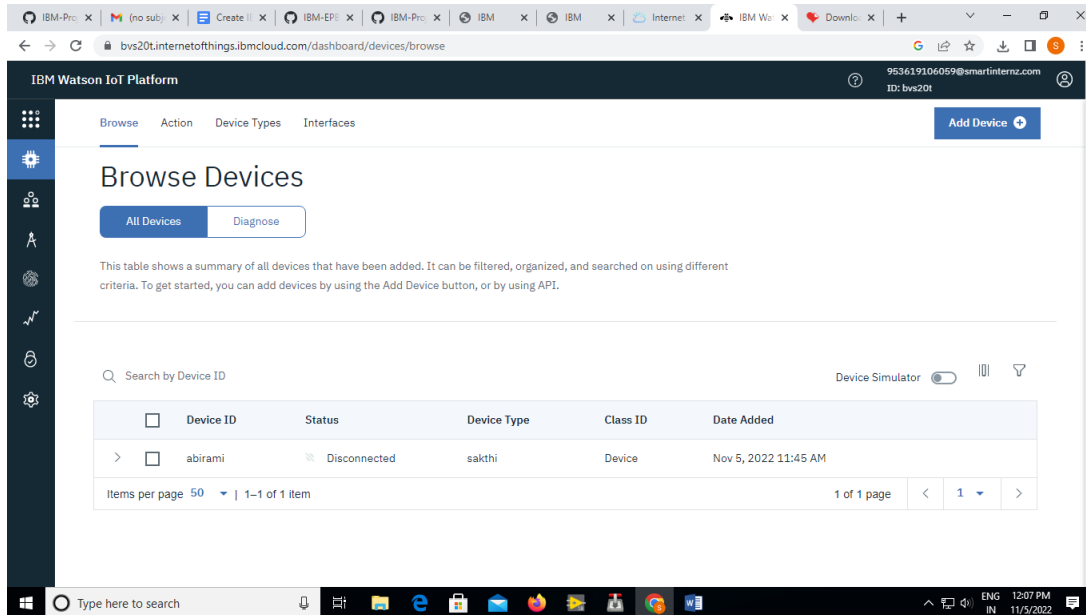
7. Clicking next it goes to the security where we do authentication token id. Clicking on next it goes to the summary of the device then click finish



8. The device credentials will be displayed with all the details



9. Clicking on the device tab we can now see the added device. Clicking on it will display the other details. It has different tabs like Identity, Device Information, State and login



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

10. The Boards will display card for the project.

