

## Create and Configure IBM Cloud Service

### Create IBM Watson IoT Platform and Device

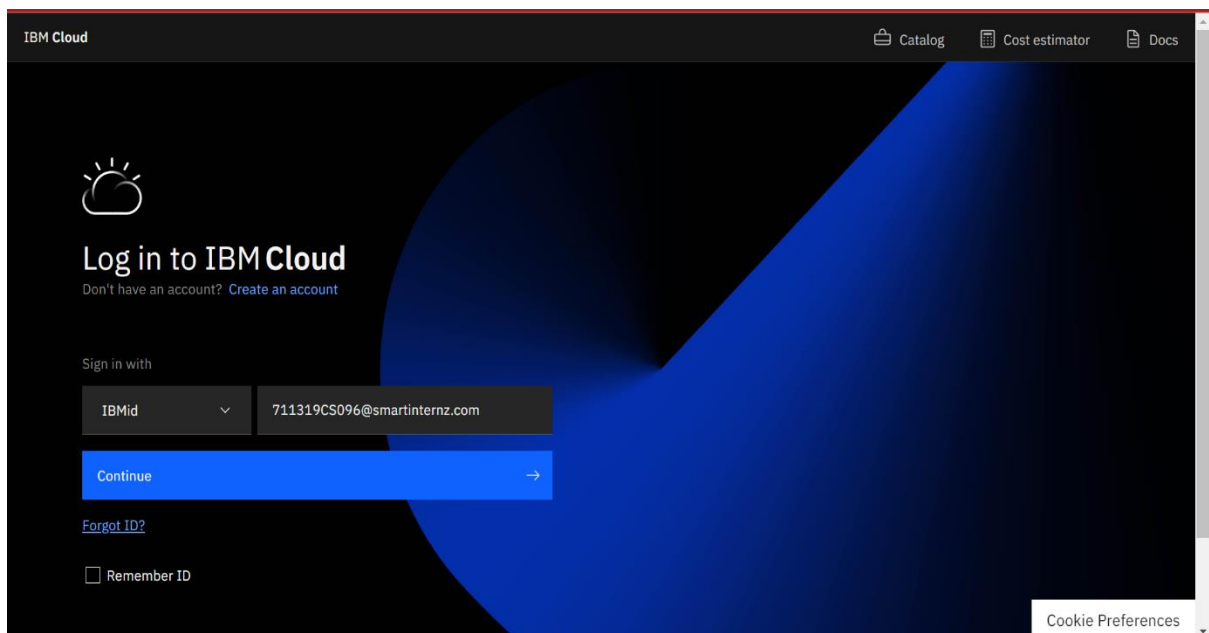
Date	11 Nov 2022
Team Id	PNT2022TMID14029
Project Name	Gas leakage monitoring and alerting system for industries

## AIM

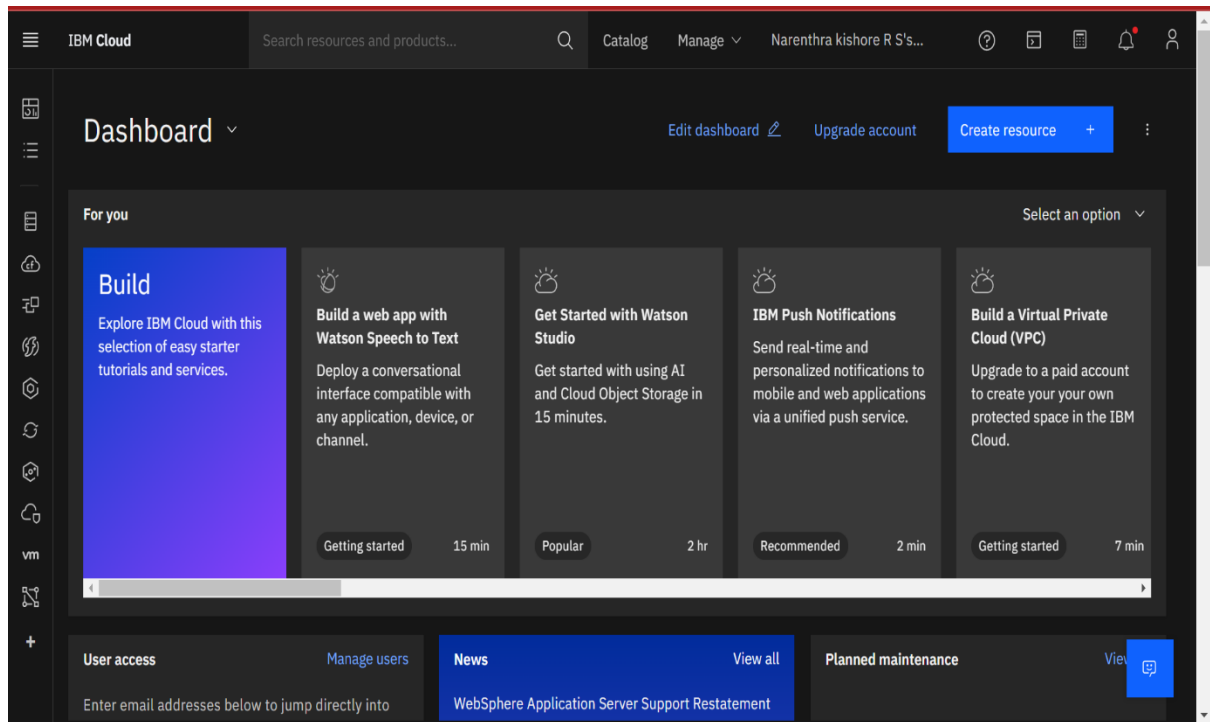
To create and configure the IBM Watson IoT platform and create a device.

## Steps to be followed

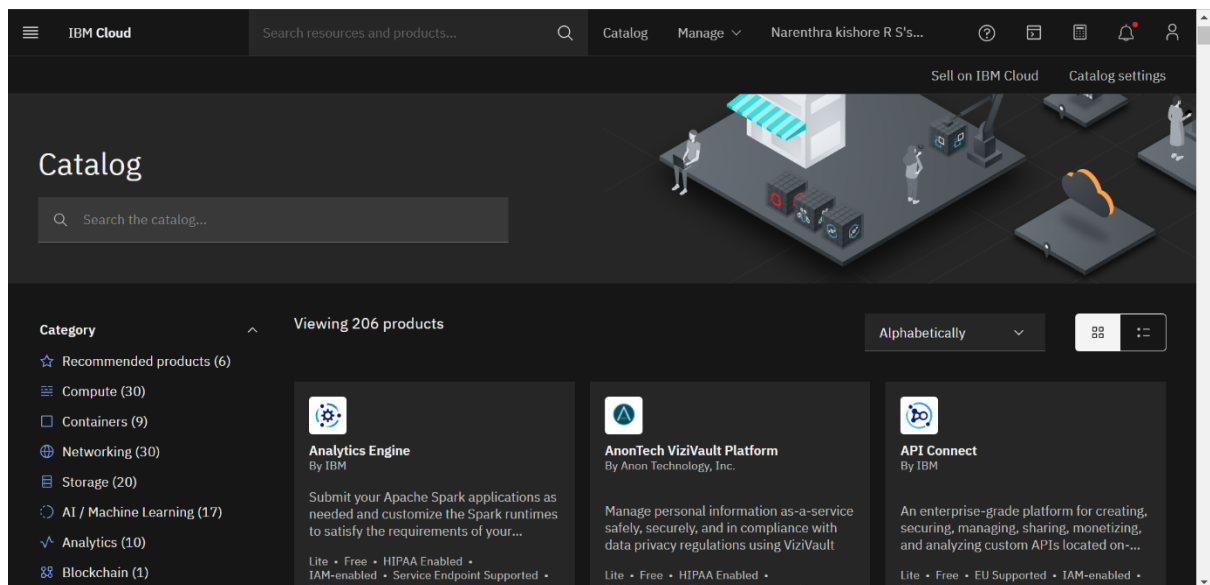
Step 1: Create an IBM cloud account with IBM id and password



Step 2: Go to Home page of IBM cloud.



Step 3: Click on the catalog on the top.



Step 4: Click on IoT in the category mentioned and click on Internet of Things Platform

IBM Cloud

Search resources and products...

Catalog Manage Narenthra kishore R S's...

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

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 metric Maximum of 500 registered devices	Free

**Summary**

**Internet of Things Platform** Free

Location: Frankfurt

Plan: Lite

Service name: Internet of Things Platform-iq

Resource group: Default

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

Create

Add to estimate

Step 5: If already a lite is present delete it else u can't create another and tick agreements and then click on create

IBM Cloud

Search resources and products...

Catalog Manage Narenthra kishore R S's...

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](#) [Terms](#)

Select a location

London (eu-gb)

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 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

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 per month.

Lite plan services are deleted after 30 days of inactivity.

**Summary**

**Internet of Things Platform** Free

Location: London

Plan: Lite

Service name: Internet of Things Platform-ec

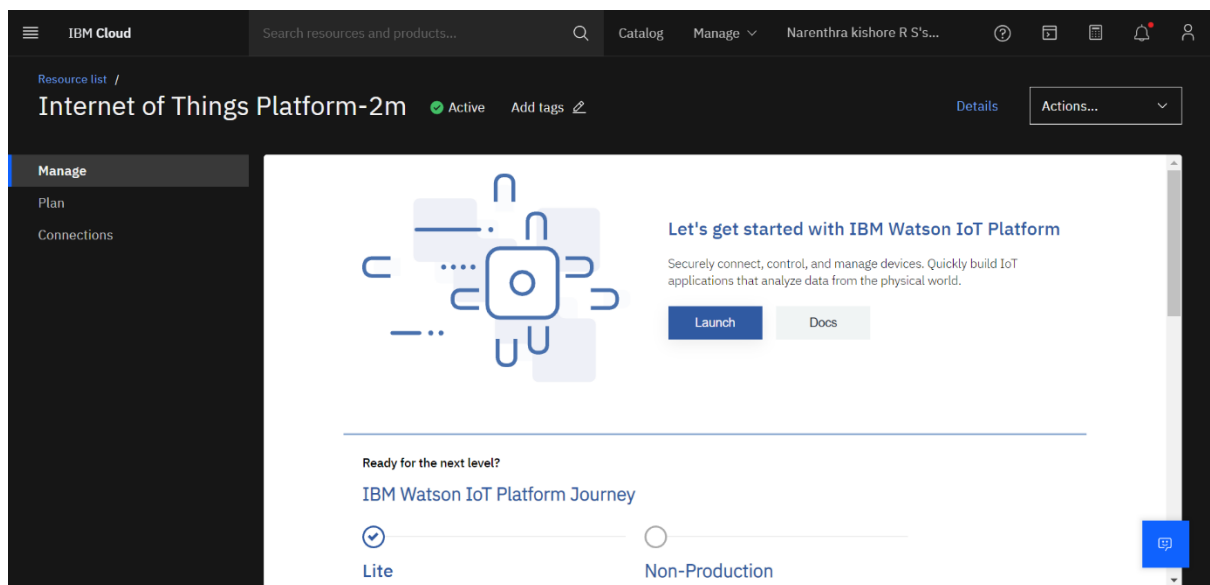
Resource group: Default

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

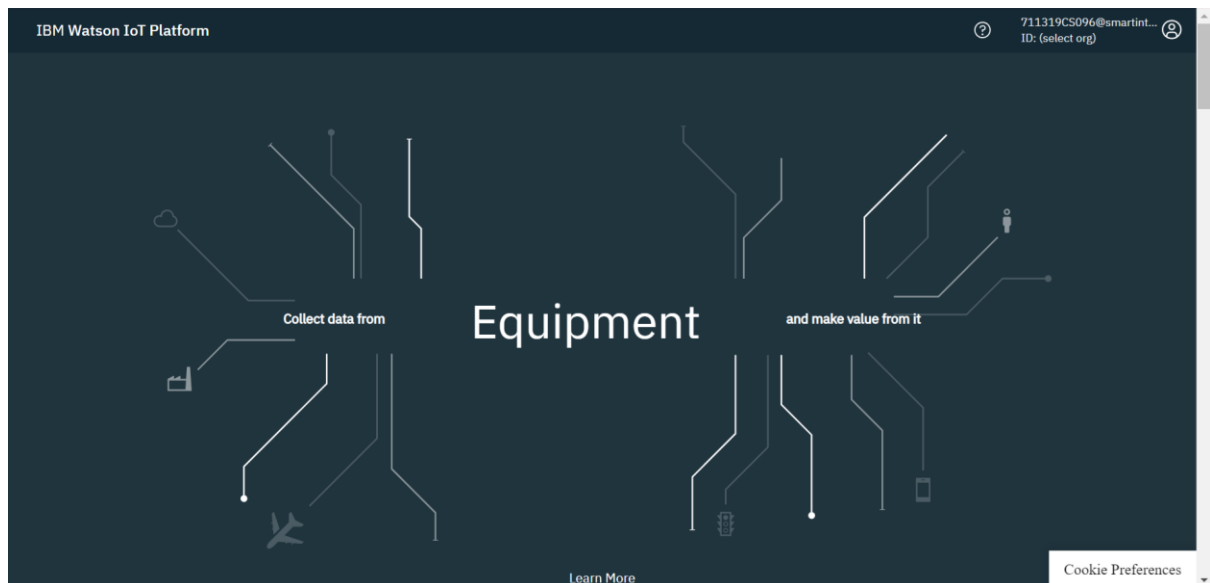
Create

Add to estimate

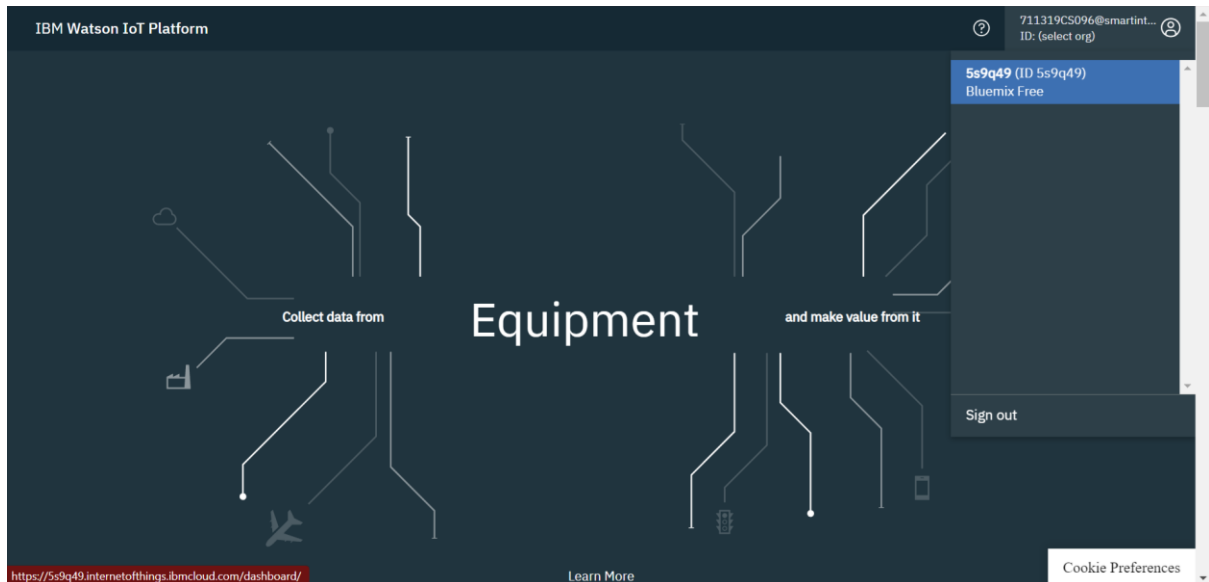
## Step 6: Click on the launch button



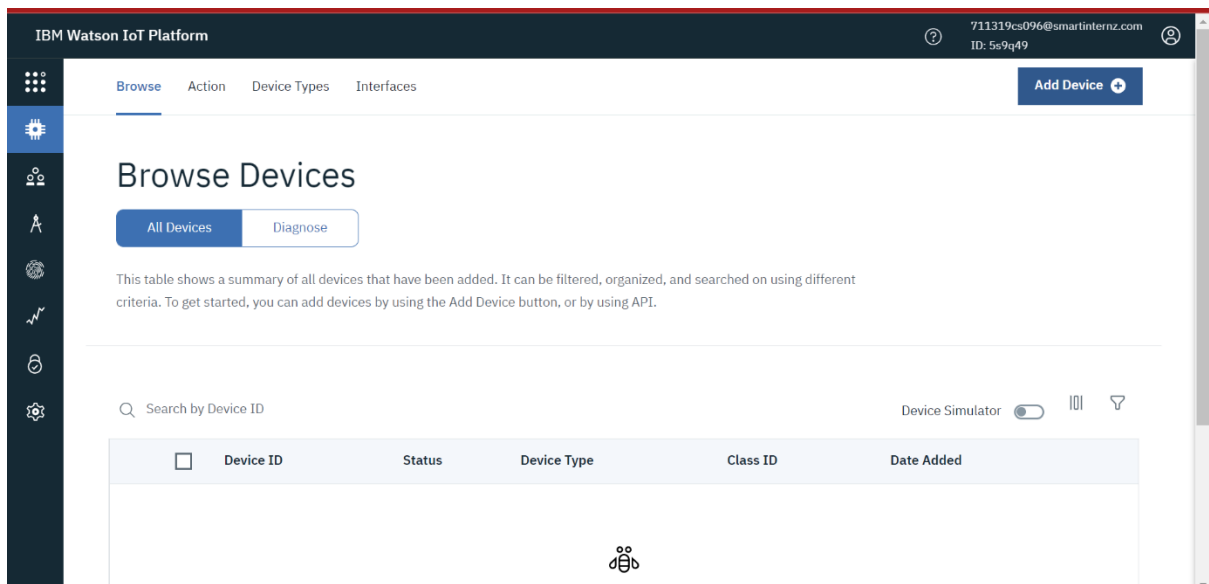
## Step 7: Sign in on progress



Step 8: Once it is logged in, the name will be displayed click on it and then click on Bluemix Free



Step 9: This is the IBM Watson platform. Click on Add Device



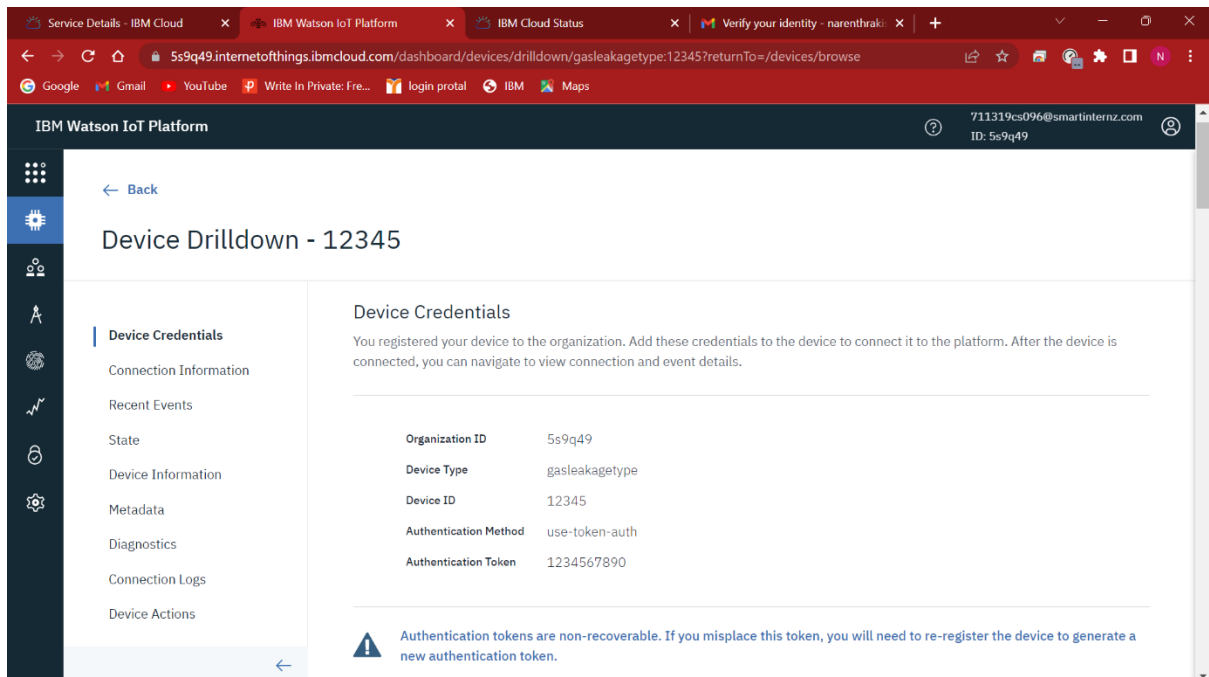
Step 10: Click on the add device button then give the device type and device id and click next.

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The 'Identity' step is active, indicated by a blue circle and a blue underline. The progress bar shows four steps: Identity, Device Information, Security, and Summary. Below the progress bar, the text reads: '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 'gasleakagetype' and 'Device ID' with the value '12345'. At the bottom right, there are 'Cancel' and 'Next' buttons. Below the wizard, the 'Browse Devices' section is partially visible.

Step 11: After giving all the data, Click on Finish

The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The 'Summary' step is active, indicated by a blue circle and a blue underline. The progress bar shows four steps: Identity, Device Information, Security, and Summary. Below the progress bar, the text reads: 'Verify that the following information is correct then select Finish'. There are three sections of information: 'Device Type' with the value 'gasleakagetype', 'Device ID' with the value '12345', and 'Security Token' with the value '1234567890'. A 'View Metadata' button is located below the 'Device ID' field. At the bottom right, there are 'Back' and 'Finish' buttons.

Step 12: The device credentials will be displayed all the details.

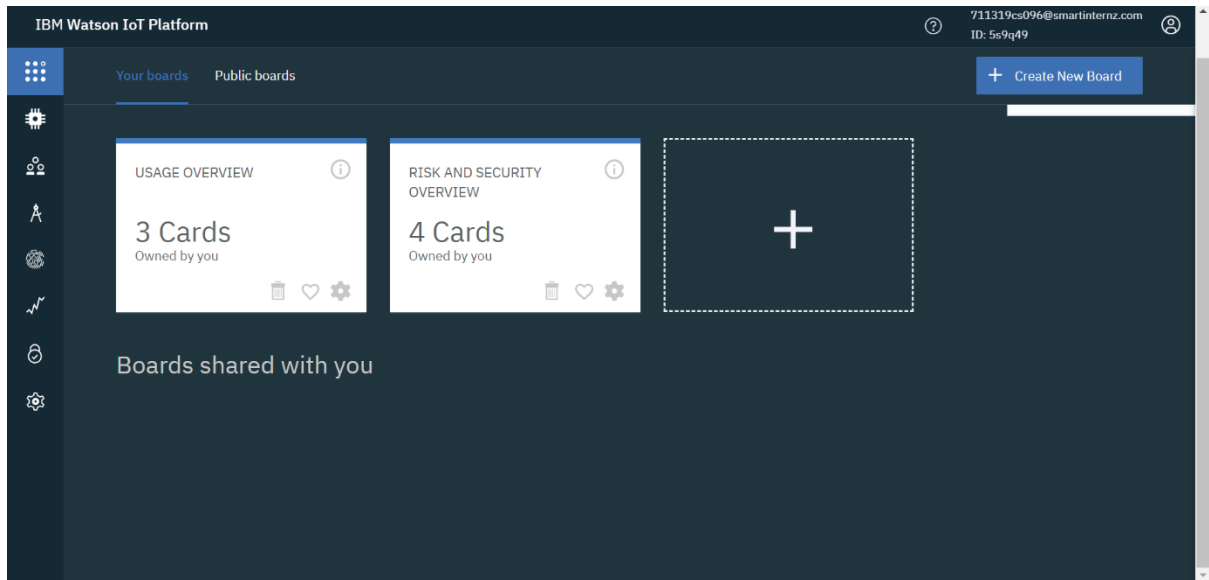


The screenshot shows the IBM Watson IoT Platform interface. The browser address bar displays the URL: `5s9q49.internetofthings.ibmcloud.com/dashboard/devices/drilldown/gasleakagetype:12345?returnTo=/devices/browse`. The page title is "Device Drilldown - 12345". On the left, a sidebar menu lists various options, with "Device Credentials" selected. The main content area, titled "Device Credentials", provides instructions on adding credentials and displays the following details:

Organization ID	5s9q49
Device Type	gasleakagetype
Device ID	12345
Authentication Method	use-token-auth
Authentication Token	1234567890

Below the table, a warning icon and text state: "Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token."

Step 13: The boards will display card for the project.



## Result :

An IBM Watson IoT Platform And Device has been created successfully