

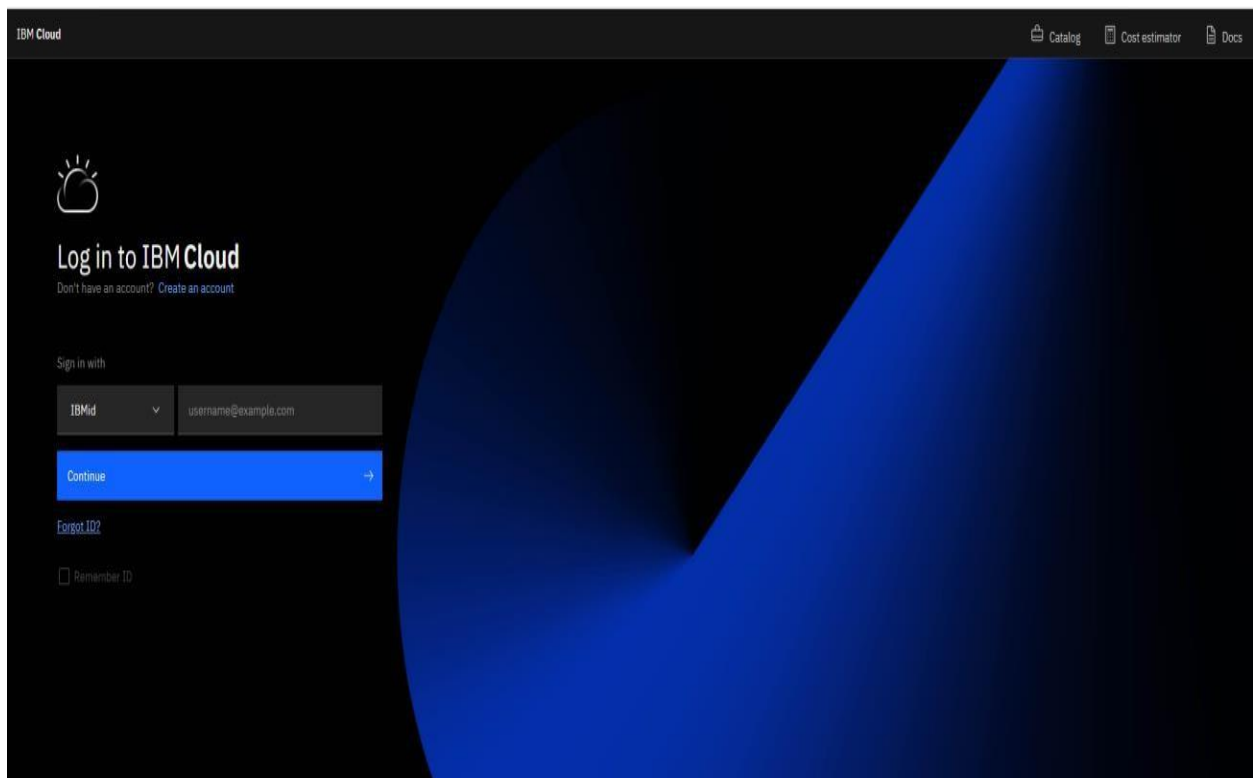
CREATE IBM WATSON IOT PLATFORM AND DEVICE

Date	06 NOVEMBER 2022
Team ID	PNT2022TMID42272
Project Name	SMART WASTE MANAGEMENT SYSTEM

AIM:

To create the IBM Watson IoT platform and device

STEPS:



IBM Cloud

Search resources and products...

Catalog

Manage

Haripriya Shanmugam's Account

Dashboard

Edit dashboard

Upgrade account

Create resource

For you

Build

Explore IBM Cloud with this selection of easy starter tutorials and services.

Recommended

2 min

IBM Watson Knowledge Catalog

Help your data citizens easily find, prepare, understand and use the data they need through an enterprise data catalog & governance platform.

Getting started

10 min

Discover the Watson Internet of Things (IoT) Platform

Use the built-in web console dashboards to monitor your IoT data and analyze it in real time.

Getting started

10 min

Explore tutorials

Try out a variety of tutorials to get you started with IBM Cloud or help you with more complex scenarios.

Getting started

10 min

Build a Virtual Private Cloud (VPC)

Upgrade to a paid account to create your own protected space in the IBM Cloud.

Getting started

7 min

Get started with Watson Discovery

Get up to speed on Watson Discovery with step-by-step tutorials, deep-dive videos, and complete examples of working code.

Recommended

2 hr

Grant users or services access to resources

Manage access or assign new access for users by using IAM policies.

Recommended

5 min

Use Speech to Text

Easily convert the voice into the written word for voice control, transcription, etc. Speech to Text.

Popular

Select an option

News

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Announcing IBM Cloud Pak for Network Automation Version 2.4

No Prerequisites for IBM Cloud Certifications

IBM Tech Now: October 24, 2022

Recent support cases

View all

You can view a summary of your support cases here after you submit them. Learn more about how to get support.

Planned maintenance

View all

Clear skies! You can view your scheduled maintenance events here.

IBM Cloud status

View all

No issues

Usage

View usage

User access

Manage users

IBM Cloud

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Sell on IBM Cloud

Catalog settings

Catalog

Search the catalog...

Internet of Things

Alphabetically

Type

All

Services

Software

Professional services

Provider

IBM (1)

Pricing plan

Lite

Free

Compliance

IAM-enabled

Viewing 1 product

Filters: Internet of Things Clear all

Internet of Things Platform

By IBM

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.

Lite • Free • IAM-enabled • IBM supported

Service Det... IBM Watson... IBM Watson... IBM... Resource li... (1) WhatsA... Download... IBM-Proje... +

cloud.ibm.com/services/iotf-service/cm%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-gb%3Aa%2F6d5ee0d85ba84302bf6a55648851509...

IBM Cloud Search resources and products... Catalog Manage SAKTHI KIRAN M B's A...

Resource list / Internet of Things Platform-94 Active Add tags Details Actions...

Manage Plan Connections

Let's get started with IBM Watson IoT Platform

Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

Launch Docs

Ready for the next level?

IBM Watson IoT Platform Journey

Lite Non-Production

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a7mbs7.internetofthings.ibmcloud.com/dashboard/devices/browse/add

IBM Watson IoT Platform sakthikiran879@gmail.com ID: a7mbs7

Browse Action Device Types Interfaces

Device Type Select or create a device type...

Device ID Enter Device ID

Service Status Terms Privacy Support Blog Sign Out

Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

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Browse Action Device Types Interfaces

Add Type

Identity

Device Information

Device types group devices that have similar characteristics, such as model number, firmware version, or location. Give the device type a unique name and a description that identifies characteristics that are shared by devices of this type.

Type

Device

Or

Gateway

Name

SAKTHI

The device type name is used to identify the device type uniquely and uses a restricted set of characters to make it suitable for API use.

Description

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Browse Action Device Types Interfaces

Identity

Device Information

These attributes will be used as a template for new devices that are assigned this device type

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

Edit Metadata

Back

Finish

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Browse Action Device Types Interfaces

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 SAKTHI

Device ID SK-20

Cancel Next

Browse Devices

All Devices Diagnose

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Browse Action Device Types Interfaces

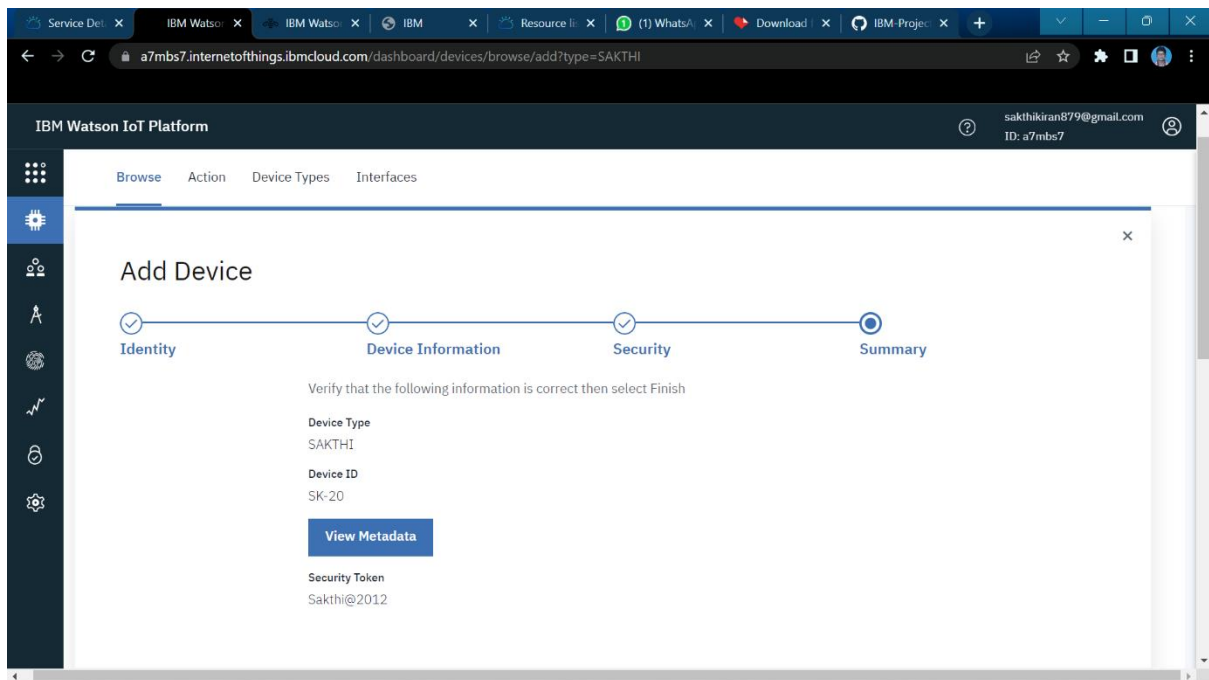
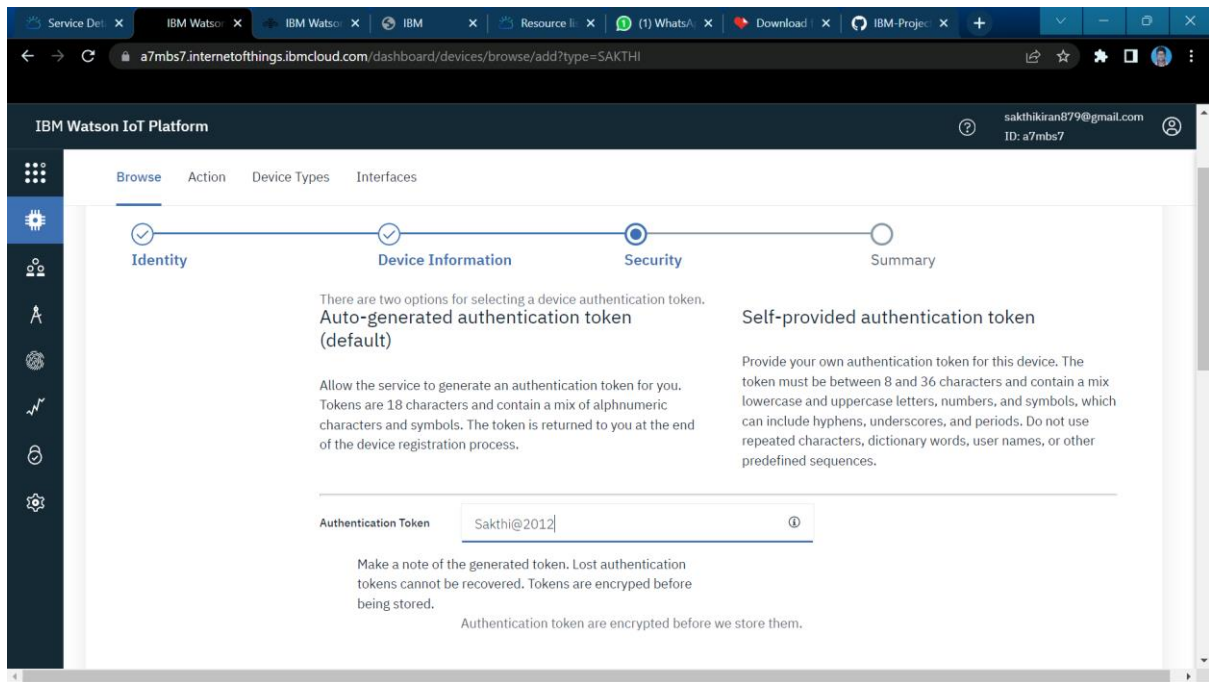
Identity Device Information Security Summary

You can modify the default device information and enter more information about the device for identification purposes.

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

Add Metadata +

Back Next



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a7mbs7.internetofthings.ibmcloud.com/dashboard/devices/drilldown/SAKTHI:SK-20?returnTo=/devices/browse

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← Back

Device Drilldown - SK-20

Device Credentials
Connection Information
Recent Events
State
Device Information
Metadata
Diagnostics
Connection Logs
Device Actions

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	a7mbs7
Device Type	SAKTHI
Device ID	SK-20
Authentication Method	use-token-auth
Authentication Token	Sakthi@2012

Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.

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Policies

You can configure policies to enhance connection security and control access to the server from devices.

Connection Security
Configure the security level for device connection.

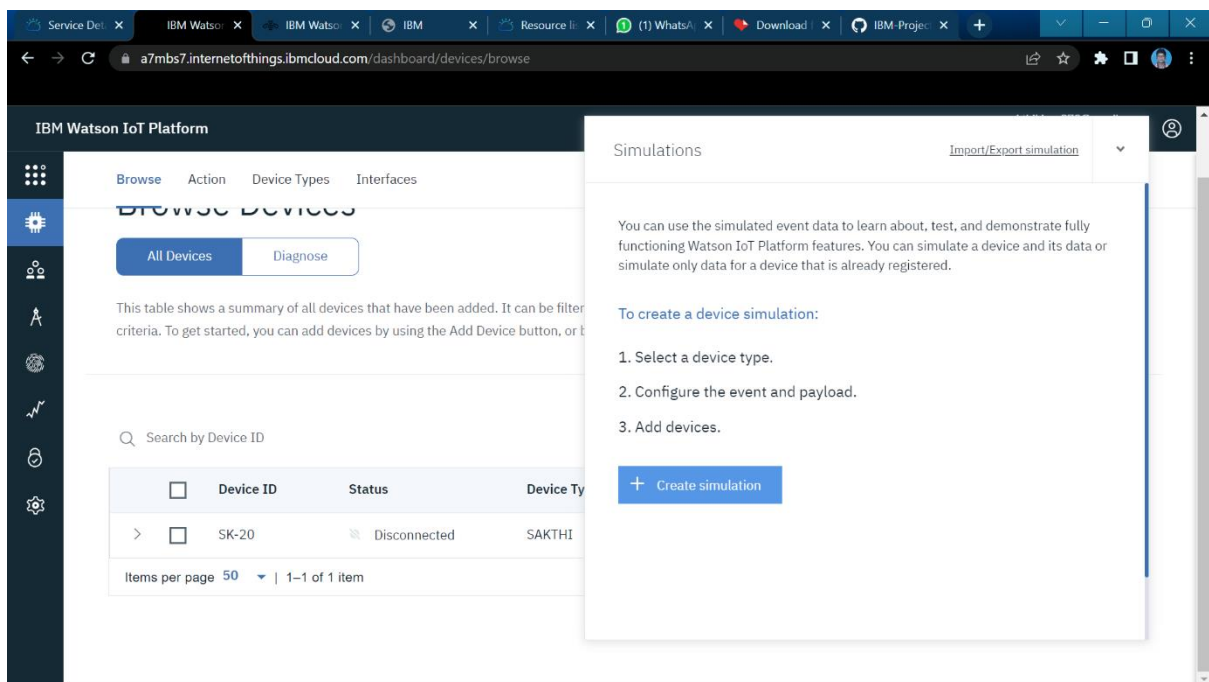
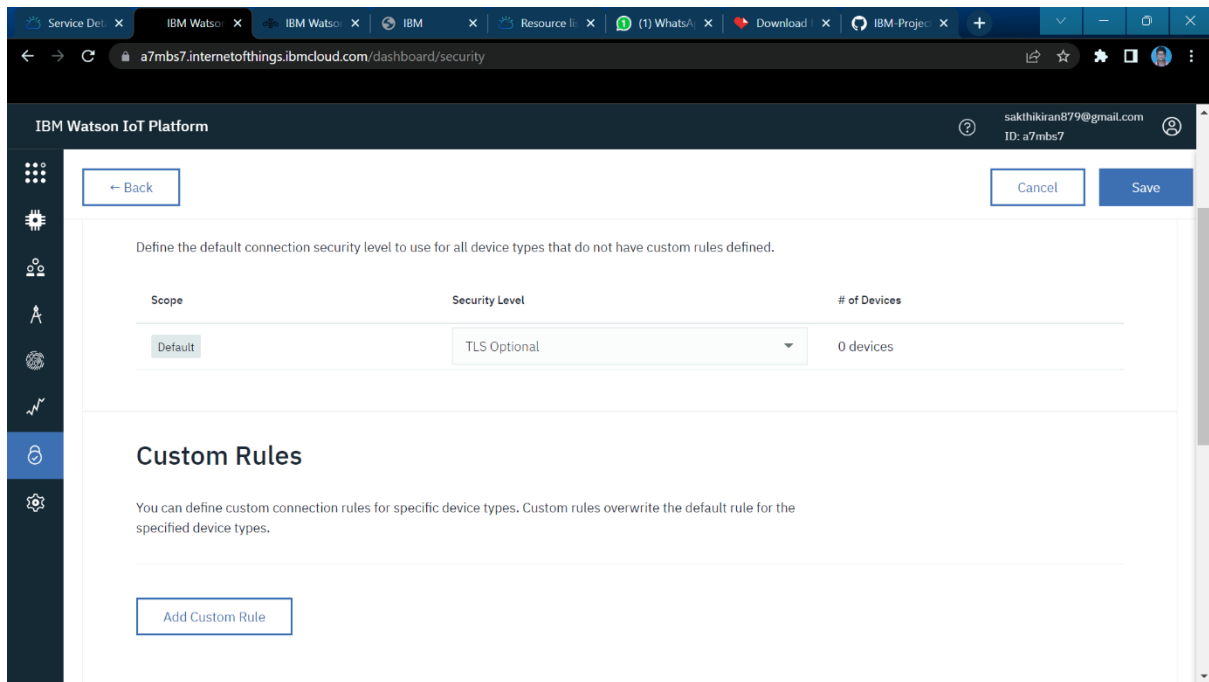
Blacklist
Block access from specific IP addresses. Activating a blacklist disables an active whitelist.

Whitelist
Allow access from specific IP addresses. Activating a whitelist disables an active blacklist.

Disabled

Disabled

Disabled



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IBM Watson IoT Platform

Browse Action Device Types Interfaces

BROWSE DEVICES

All Devices Diagnose

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Search by Device ID

Device ID	Status	Device Type
SK-20	Disconnected	SAKTHI

Items per page 50 | 1-1 of 1 item

Device Type: SAKTHI

Events 1 [New event type](#)

Event type name event_1 [Send](#) [Delete](#)

Schedule 20 Every Minute

Payload Specify the event payload in the editor window or by uploading a [CSV file](#).

```
0 {
1   "randomNumber": random(0, 100)
2 }
3
```

[Upload a CSV file](#)

[What functions can I apply?](#)

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SK-20	Disconnected	SAKTHI

Items per page 50 | 1-1 of 1 item

Simulations [Import/Export simulation](#)

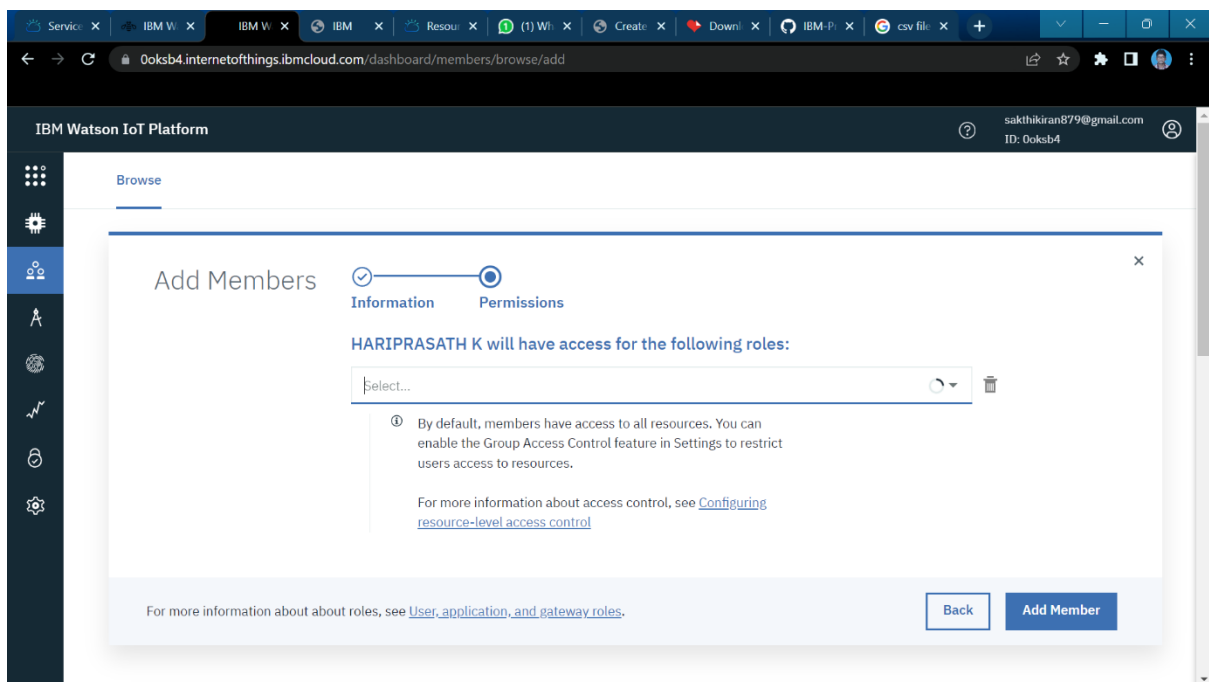
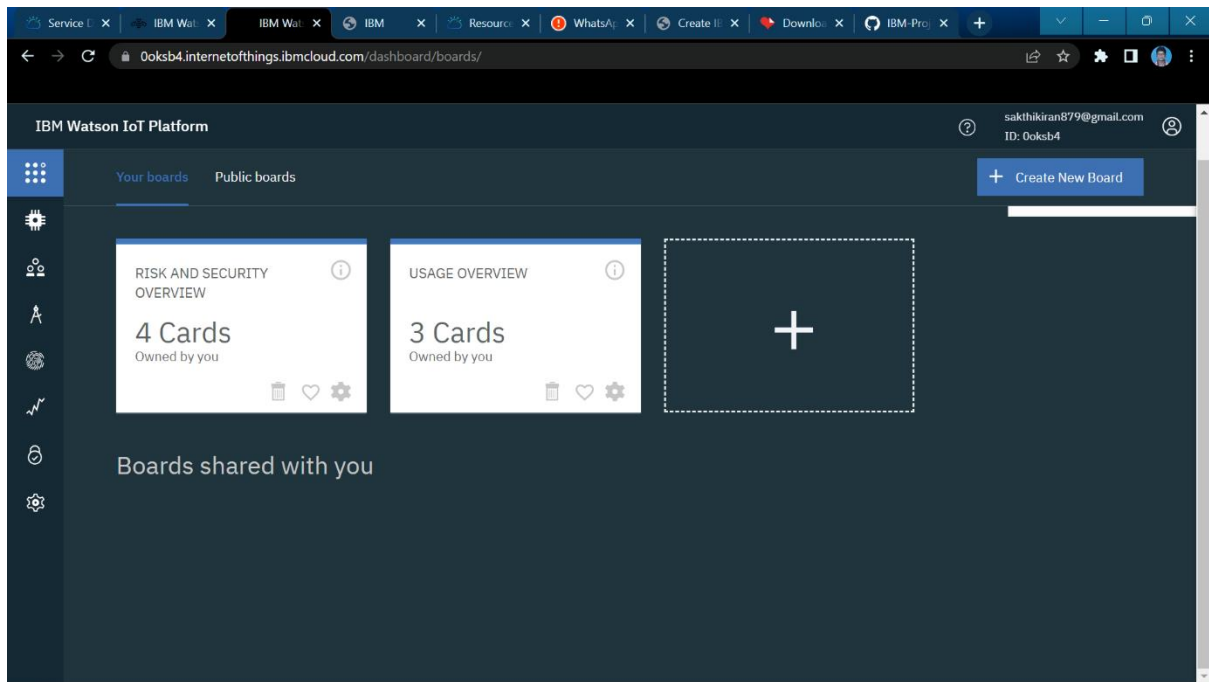
1/50 Simulations Running [+ New Simulation](#)

Device Type SAKTHI [1 Event](#) [Toggle](#) [Delete](#)

1 Device

SK-20

1 x [Create Simulated Device](#) [Use Registered Device](#)



RESULT:

An IBM Watson cloud for IoT and a device is create