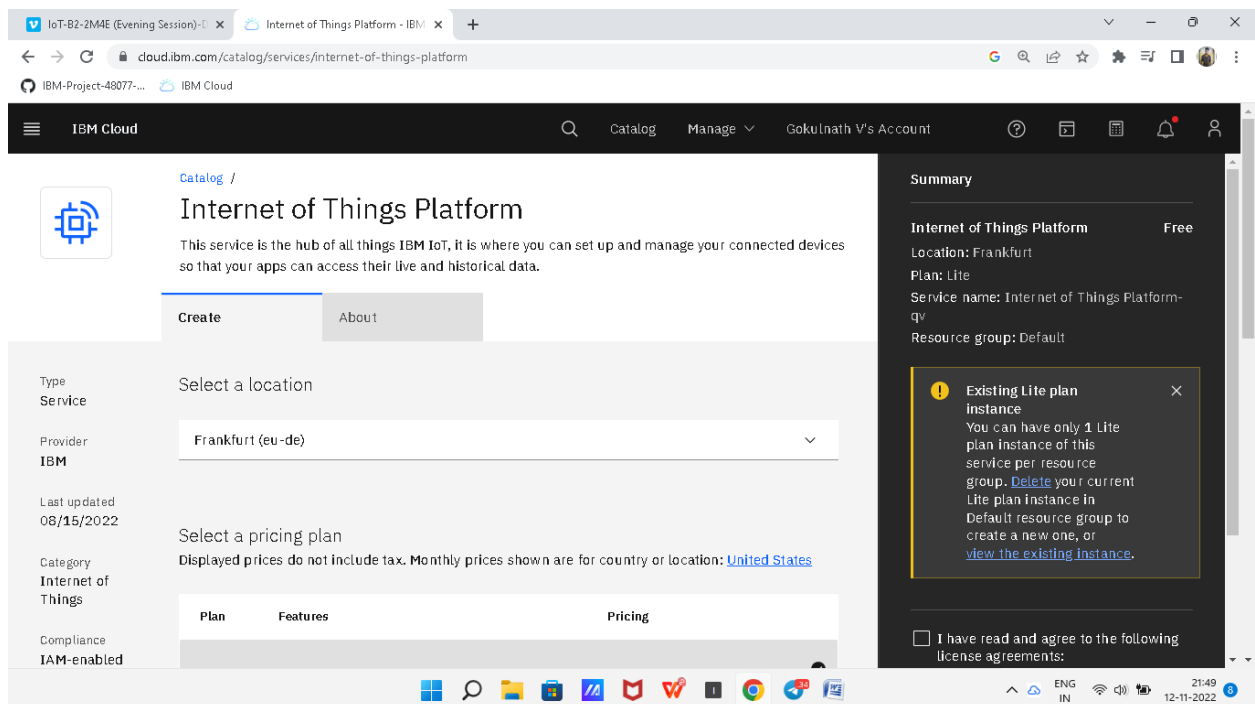
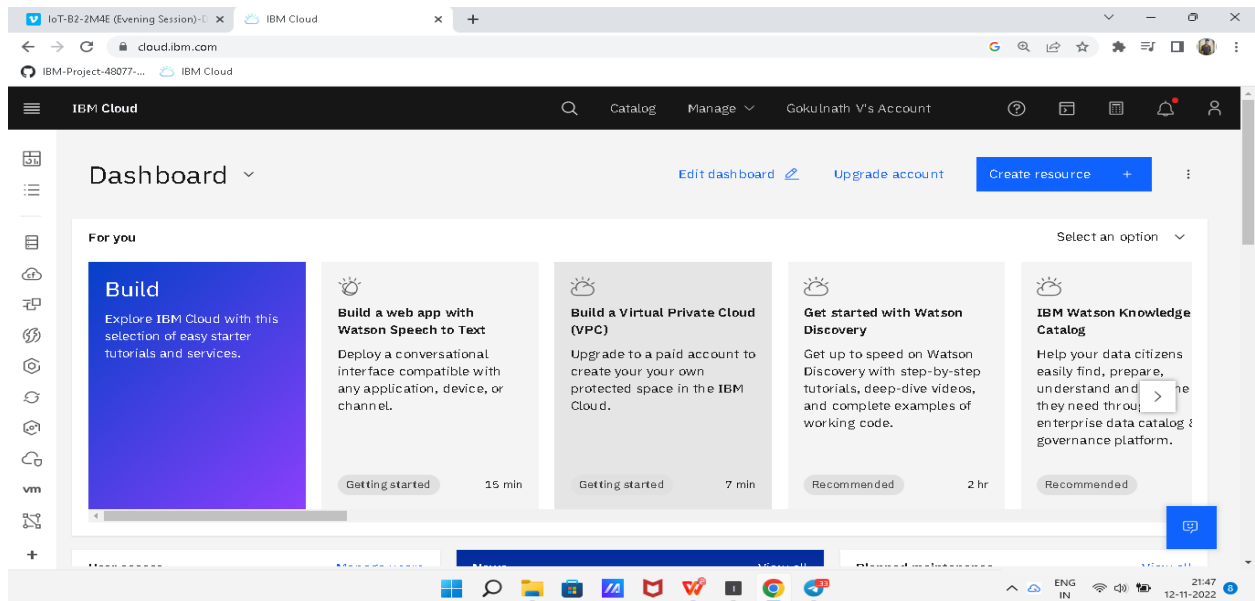


## Create The IBM Watson IoT Platform And Device:



IoT-B2-2MAE (Evening Session) x Service Details - IBM Cloud x +

cloud.ibm.com/services/iotf-service/cm%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2F38220e1819d043f7a1c97bf03b9308a8%3A...

IBM-Project-48077-... IBM Cloud

IBM Cloud Catalog Manage Gokulnath V's Account ? ? ? ? ? ? ? ? ? ?

Resource list /

# Internet of Things Platform-il

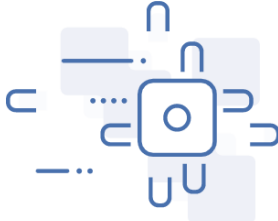
Active Add tags

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

21:49 ENG IN 12-11-2022

IoT-B2-2MAE (Evening Session) x Service Details - IBM Cloud x IBM Watson IoT Platform x +

internetofthings.ibmcloud.com

IBM-Project-48077-... IBM Cloud

# IBM Watson IoT Platform

gokulnathvelayutham5@g... ID: (select org)

Collect data from

# Assets

and make value from it

Learn More

Cookie Preferences

21:53 ENG IN 12-11-2022



IoT-B2-2MAE (Evening Session)-

Service Details - IBM Cloud

IBM Watson IoT Platform

0lu537.internetofthings.ibmcloud.com/dashboard/devices/types/add

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gokulnathvelayutham5@gmail.comID: 0lu537

BrowseActionDevice TypesInterfaces

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

Edit Metadata

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

Back

Finish

Device Types

This table lists all device types that are defined. You can filter the list and search for the na...

IoT-B2-2MAE (Evening Session)-

Service Details - IBM Cloud

IBM Watson IoT Platform

0lu537.internetofthings.ibmcloud.com/dashboard/devices/types/add

IBM-Project-48077-...IBM Cloud

gokulnathvelayutham5@gmail.comID: 0lu537

BrowseActionDevice TypesInterfaces

Optional

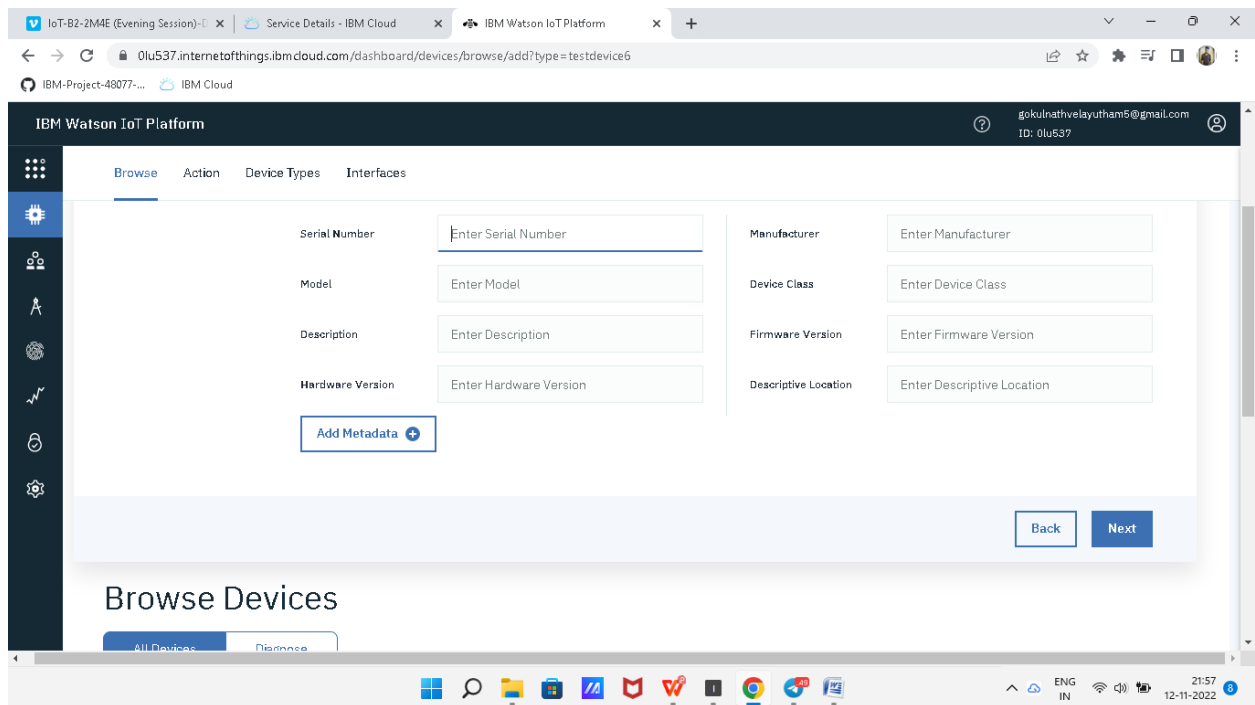
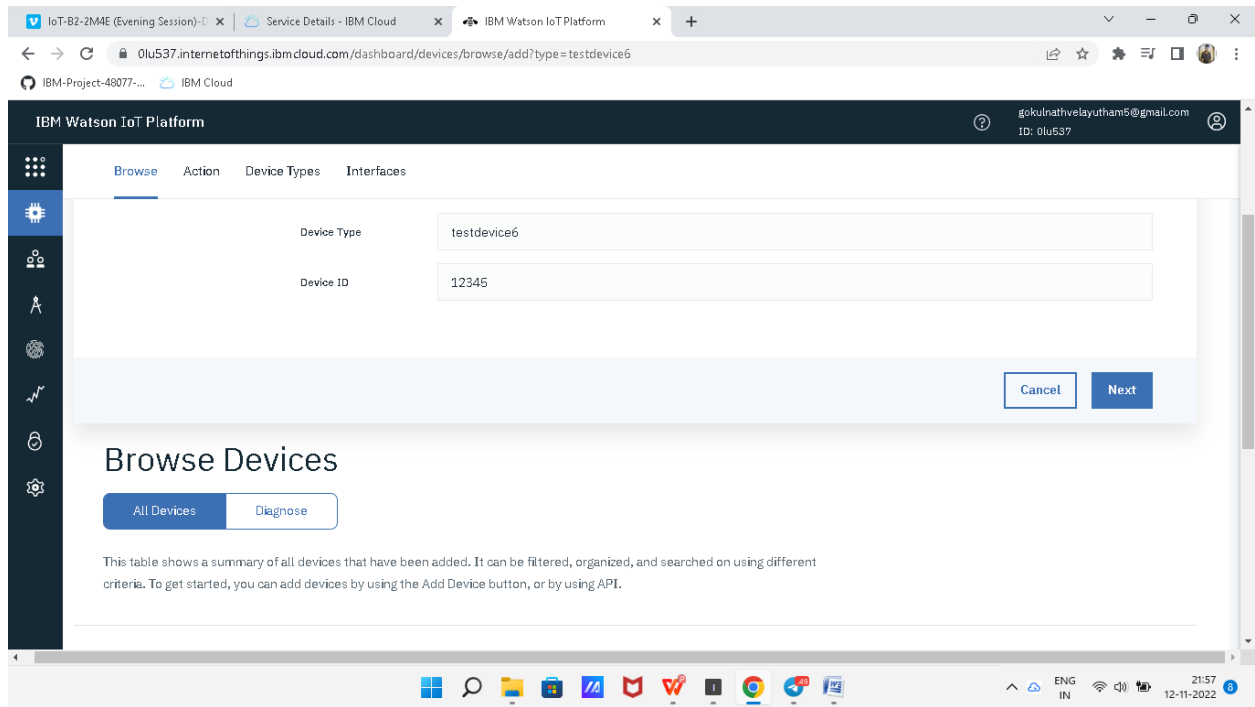
Register Devices, Define Interfaces

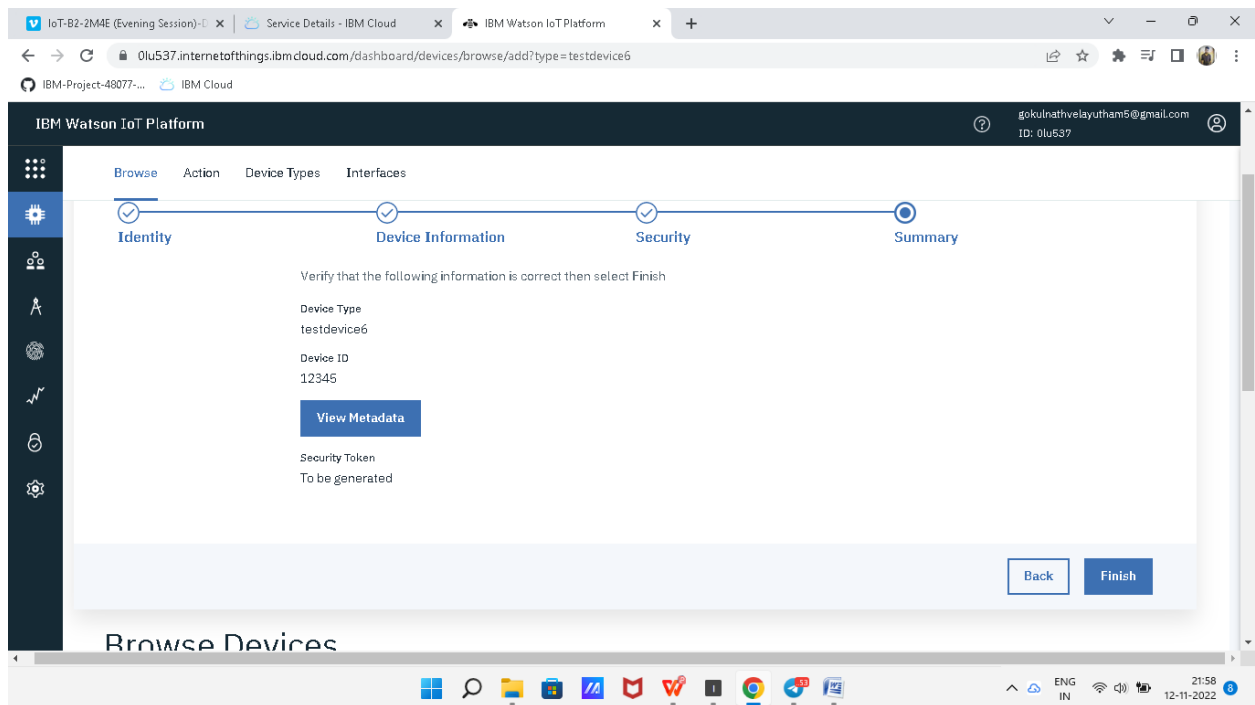
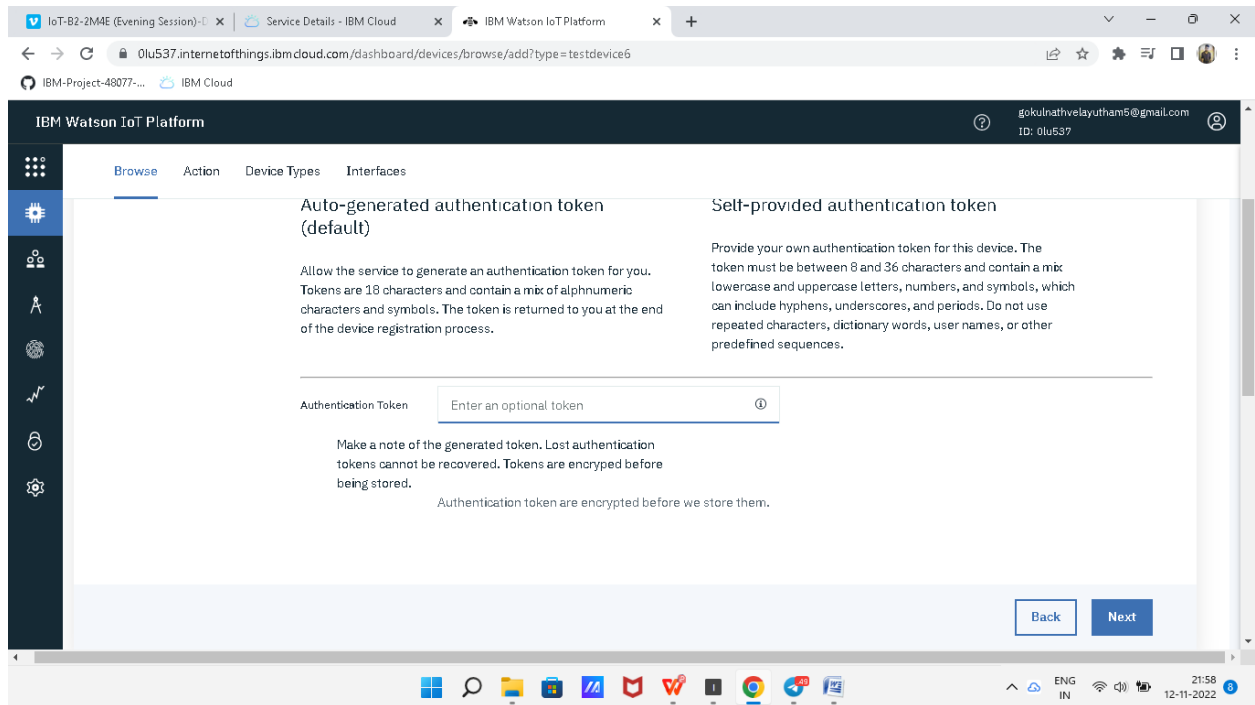
Now that you added a device type, you can register and connect devices for this type.

Register Devices

Cancel

Next





IoT-B2-2MAE (Evening Session)-

Service Details - IBM Cloud

IBM Watson IoT Platform

0lu537.internetofthings.ibmcloud.com/dashboard/devices/drilldown/testdevice6:12345?returnTo=/devices/browse

IBM-Project-48077-...IBM Cloud

IBM Watson IoT Platform

gokulnathvelayutham5@gmail.com  
ID: 0lu537

Back

Device Drilldown - 12345

Device Credentials

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

Organization ID0lu537

Device Typetestdevice6

Device ID12345

Authentication Methoduse-token-auth

Authentication Tokenr0dV(jh0qT\_iEaNmPA

! 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

21:59  
12-11-2022

IoT-B2-2MAE (Evening Session)-

Service Details - IBM Cloud

IBM Watson IoT Platform

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IBM-Project-48077-...IBM Cloud

IBM Watson IoT Platform

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ID: 0lu537

BrowseActionDevice TypesInterfaces

Add Device

BROWSE DEVICES

All DevicesDiagnose

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.

Search by Device ID

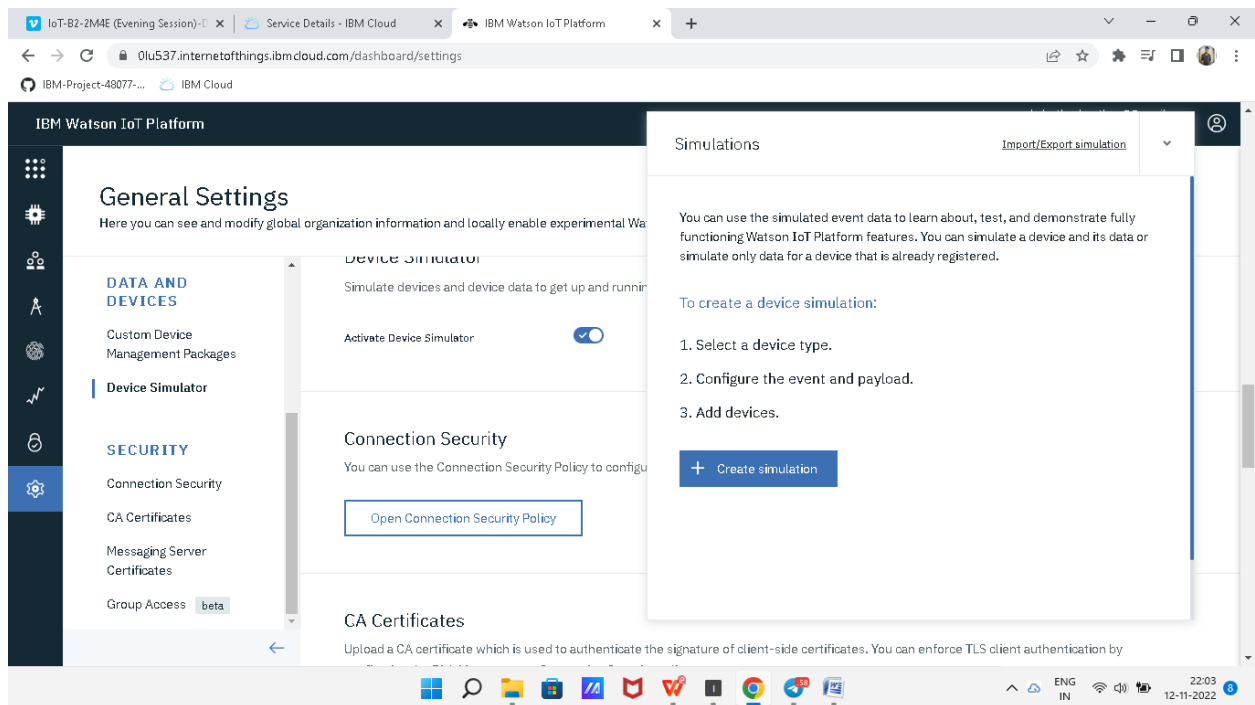
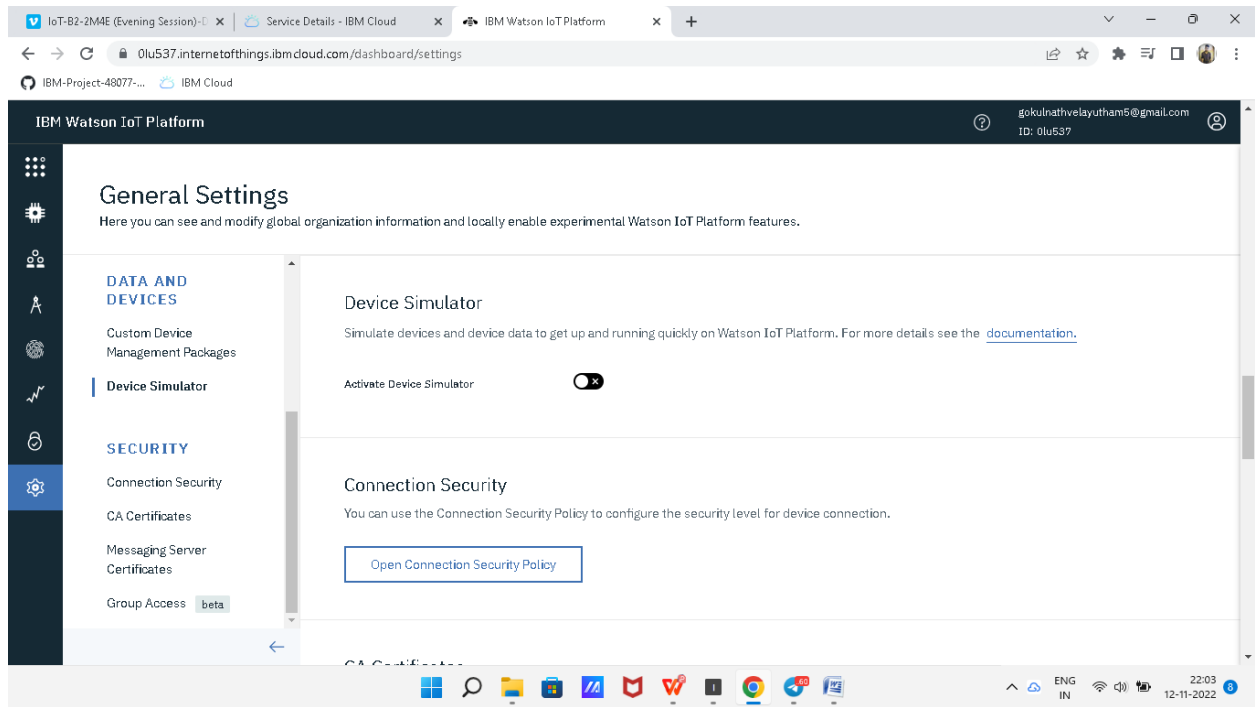
Device Simulator

	Device ID	Status	Device Type	Class ID	Date Added
>	12345	Disconnected	testdevice6	Device	Nov 12, 2022 9:58 PM

Items per page: 50 | 1-1 of 1 item

1 of 1 page

22:03  
12-11-2022





IoT-B2-2MAE (Evening Session) - IBM Cloud IBM Watson IoT Platform

0lu537.internetofthings.ibmcloud.com/dashboard/settings

IBM-Project-48077-... IBM Cloud

### IBM Watson IoT Platform

## General Settings

Here you can see and modify global organization information and locally enable experimental Watson IoT features.

#### DATA AND DEVICES

- Custom Device Management Packages
- Device Simulator**

#### SECURITY

- Connection Security
- CA Certificates
- Messaging Server Certificates
- Group Access beta

#### Device Simulator

Simulate devices and device data to get up and running.

Activate Device Simulator ☒

#### Connection Security

You can use the Connection Security Policy to configure the security of your devices.

[Open Connection Security Policy](#)

#### CA Certificates

Upload a CA certificate which is used to authenticate the signature of client-side certificates. You can enforce TLS client authentication by

### Device Type: testdevice6

#### Events 1

[New event type](#)

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

Schedule:

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?](#)

IoT-B2-2MAE (Evening Session) - IBM Cloud IBM Watson IoT Platform

0lu537.internetofthings.ibmcloud.com/dashboard/settings

IBM-Project-48077-... IBM Cloud

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[New event type](#)

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

Schedule:

Payload

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

```
0 {
1   "temperature": random(10, 50)
2   "humidity": random(0, 100)
3 }
4
```

[Upload a CSV file](#)

[What functions can I apply?](#)

IoT-B2-2MAE (Evening Session) - IBM Cloud IBM Watson IoT Platform

0lu537.internetofthings.ibmcloud.com/dashboard/settings

IBM-Project-48077-... IBM Cloud

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- CA Certificates
- Messaging Server Certificates
- Group Access beta

#### Device Simulator

Simulate devices and device data to get up and running.

Activate Device Simulator ☒

#### Connection Security

You can use the Connection Security Policy to configure the security level for all devices.

[Open Connection Security Policy](#)

#### CA Certificates

Upload a CA certificate which is used to authenticate the signature of client-side certificates. You can enforce TLS client authentication by

### Simulations

Import/Export simulation

Device Type: testdevice6 1 Event

1 Device

12345

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

0 event sent 0 bytes sent

Windows taskbar: 22:05 12-11-2022

IoT-B2-2MAE (Evening Session) - IBM Cloud IBM Watson IoT Platform

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IBM-Project-48077-... IBM Cloud

### IBM Watson IoT Platform

gokulnathvelayutham5@gmail.com ID: 0lu537

[Back](#) [Cancel](#) [Save](#)

#### Default Rule

Use the Connection Security policy to set the default security level that is applied to all devices. You can then add custom rules for specific devices.

Define the default connection security level for all devices.

Scope: [Default](#)

#### Custom Rules

You can define custom connection rules for specific device types. Custom rules overwrite the specified device types.

1 Simulation running

### Warning

TLS Optional does not force encryption of network communication when devices do not connect with TLS 1.1 or higher. Using non-TLS connections allows device credentials and sensitive data to be viewed by others on the network. The user is solely responsible for the protection of data it transmits over TLS Optional.

[OK](#)

Windows taskbar: 22:07 12-11-2022

IoT-B2-2MAE (Evening Session) - x Service Details - IBM Cloud x IBM Watson IoT Platform x +

0lu537.internetofthings.ibmcloud.com/dashboard/devices/browse

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IBM Watson IoT Platform

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Browse Action Device Types Interfaces

Add Device +

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added
12345	Disconnected	testdevice6	Device	Nov 12, 2022 9:58 PM

Identity Device Information Recent Events State Logs

Device ID 12345

Device Type testdevice6

Date Added Nov 12, 2022 9:58 PM

Added By gokulnathvelayutham5@gmail.com

Connection Status Disconnected

Items per page 50 | 1-1 of 1 item

1 Simulation running

IoT-B2-2MAE (Evening Session) - x Service Details - IBM Cloud x IBM Watson IoT Platform x +

0lu537.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM-Project-48077-... IBM Cloud

IBM Watson IoT Platform

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Browse Action Device Types Interfaces

Add Device +

Identity Device Information Recent Events State Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
event_1	{"temperature":43,"humidity":69}	json	a few seconds ago
event_1	{"temperature":23,"humidity":20}	json	a few seconds ago
event_1	{"temperature":23,"humidity":91}	json	a few seconds ago
event_1	{"temperature":24,"humidity":97}	["temperature":24,"humidity":97] ds ago	

Items per page 50 | 1-1 of 1 item

1 Simulation running

IoT-B2-2MAE (Evening Session) - x Service Details - IBM Cloud x IBM Watson IoT Platform x +

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IBM-Project-48077-... IBM Cloud

IBM Watson IoT Platform gokulnathvelayutham5@gmail.com ID: 0lu537

Browse Action Device Types

Delete

Device ID

12345

Identity Device ID

The recent events listed

Event Value

event\_1 {"temperature": 48, "humidity": 77}

event\_1 {"temperature": 25, "humidity": 55}

1 Simulation running

Event Payload

Event Name event\_1

Time Received Nov 12, 2022 10:09 PM

```
1 {
2   "temperature": 48,
3   "humidity": 77
4 }
```

1 item selected Cancel

58 PM

1 Simulation running

Windows Taskbar: 22:09 12-11-2022

IoT-B2-2MAE (Evening Session) - x Service Details - IBM Cloud x IBM Watson IoT Platform x +

0lu537.internetofthings.ibmcloud.com/dashboard/boards/

IBM-Project-48077-... IBM Cloud

IBM Watson IoT Platform gokulnathvelayutham5@gmail.com ID: 0lu537

Your boards Public boards

Create New Board

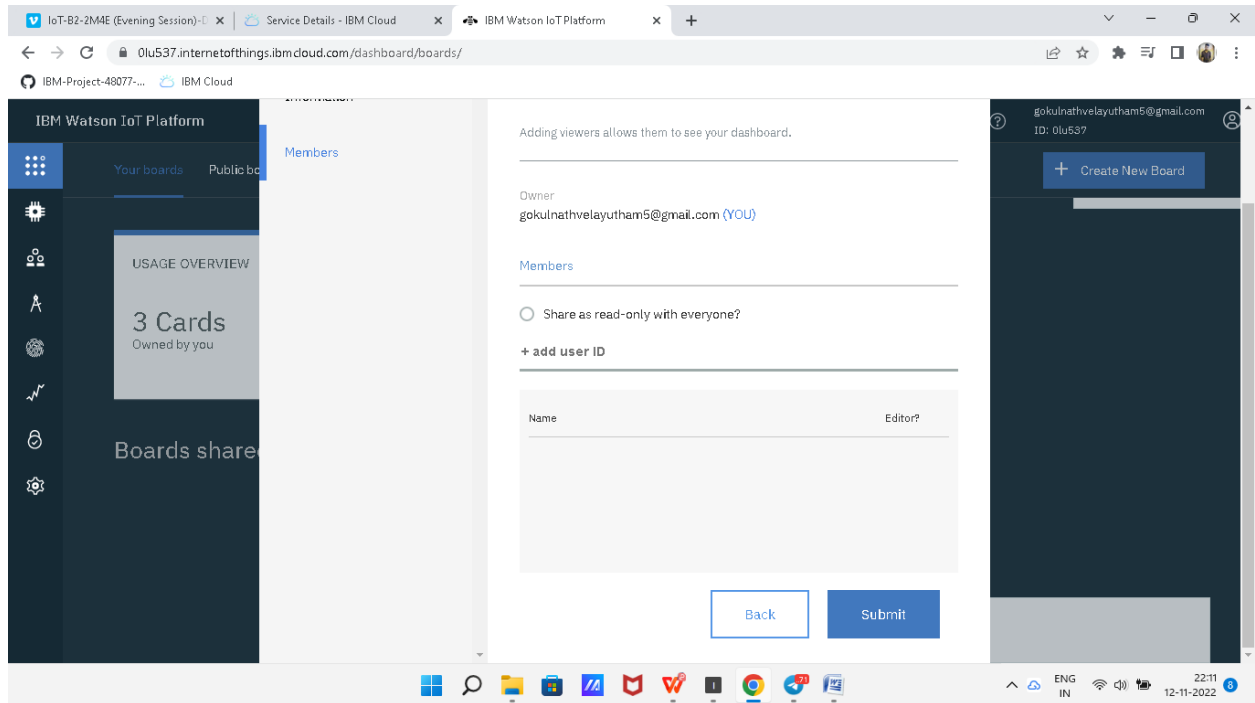
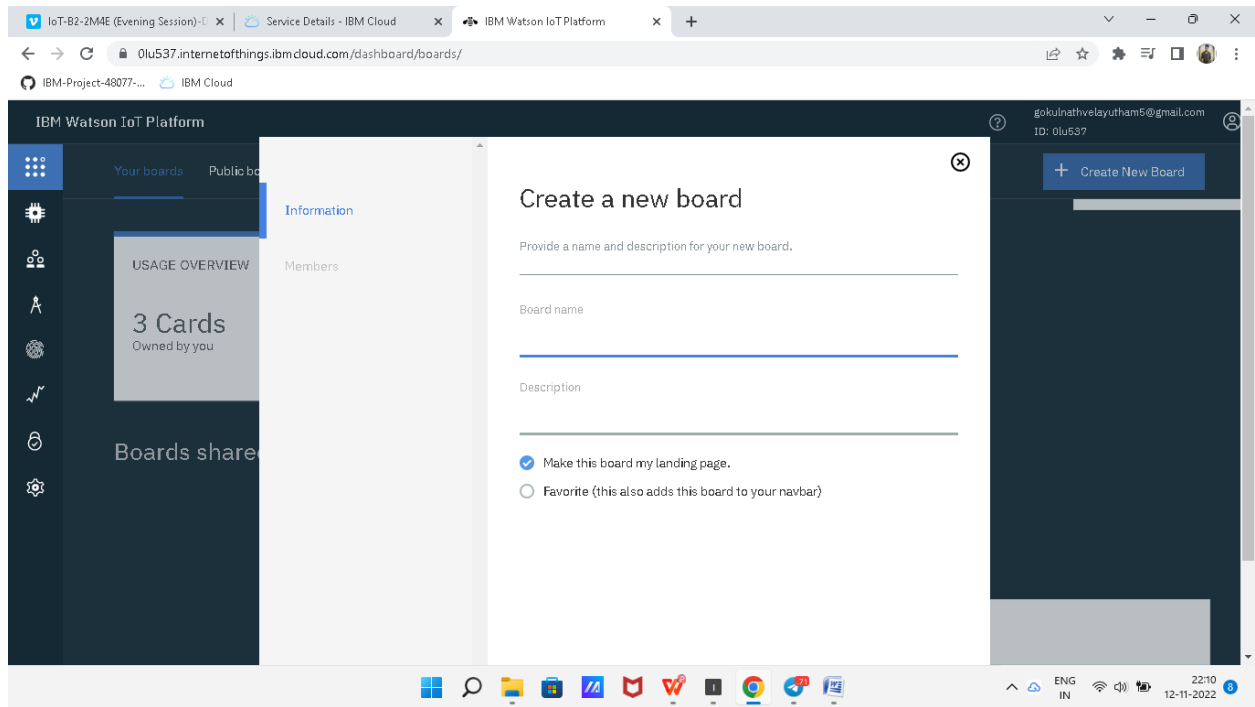
USAGE OVERVIEW 3 Cards Owned by you

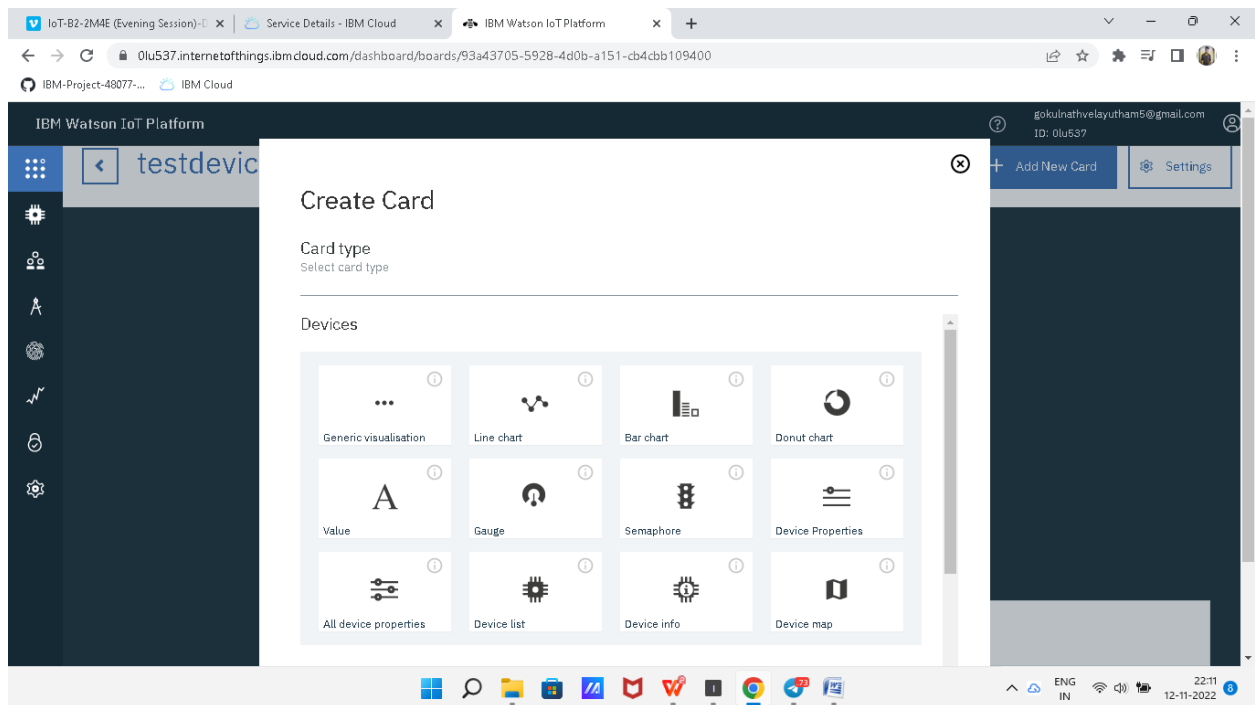
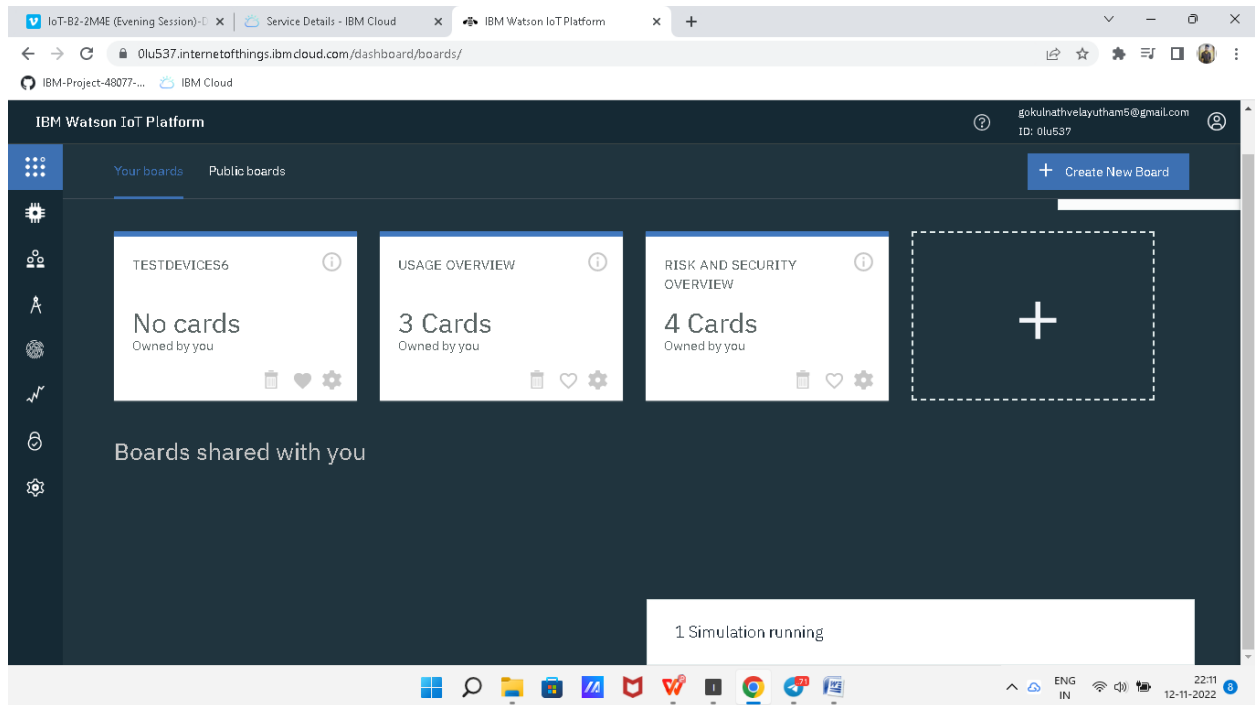
RISK AND SECURITY OVERVIEW 4 Cards Owned by you

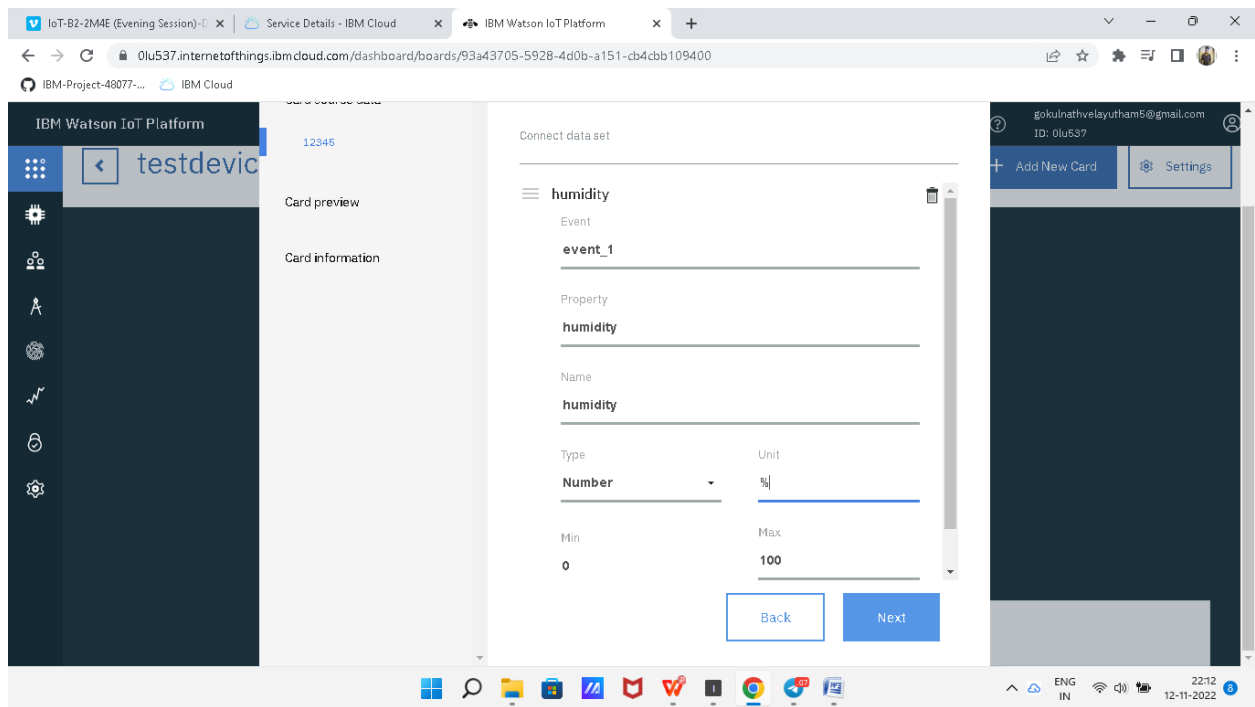
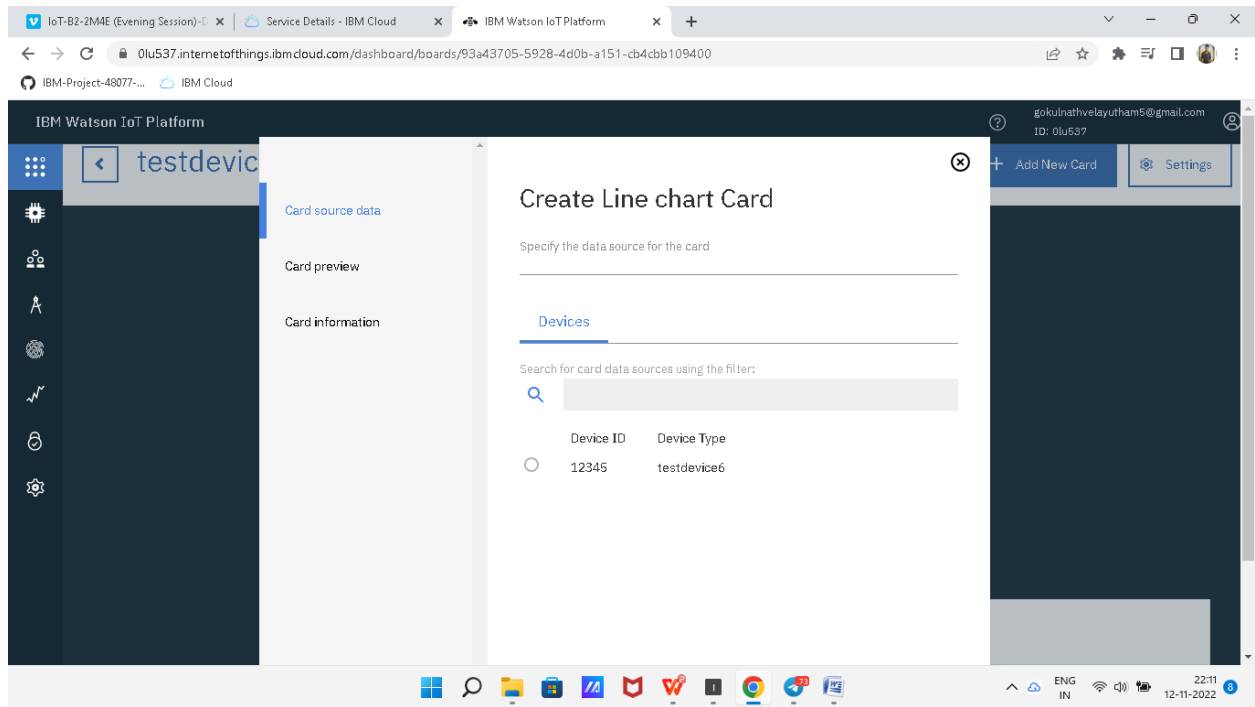
Boards shared with you

1 Simulation running

Windows Taskbar: 22:10 12-11-2022







IoT-B2-2MAE (Evening Session) - X Service Details - IBM Cloud X IBM Watson IoT Platform X

0lu537.internetofthings.ibmcloud.com/dashboard/boards/93a43705-5928-4d0b-a151-cb4cbb109400

IBM-Project-48077-... IBM Cloud

### IBM Watson IoT Platform

testdevice

12345

Card preview

Card information

Select the card size and specify additional information

Settings S M L XL

Line chart

60 40 20 0

22:09 22:10 22:11 22:12 22:13

Subscribers

humidity

LOW

Back Next

gokulnathvelayutham5@gmail.com ID: 0lu537

Add New Card Settings

ENG IN 22:13 12-11-2022

IoT-B2-2MAE (Evening Session) - X Service Details - IBM Cloud X IBM Watson IoT Platform X

0lu537.internetofthings.ibmcloud.com/dashboard/boards/93a43705-5928-4d0b-a151-cb4cbb109400

IBM-Project-48077-... IBM Cloud

### IBM Watson IoT Platform

testdevices6

Line chart

100 80 60 40 20 0

22:12:50 22:13 22:13:10 22:13:20 22:13:30 22:13:40

1 minute

humidity

now

Device Type: testdevice6

Events 1 New event type +

Event type name event\_1 Send

Schedule 20 Every Minute

Payload Specify the event payload in the editor window or by uploading a CSV file.

```
0 {
1   "temperature": random(10, 50)
2   "humidity": random(0, 100)
3 }
4
```

Upload a CSV file

ENG IN 22:13 12-11-2022



IoT-B2-2M4E (Evening Session) - x Service Details - IBM Cloud x IBM Watson IoT Platform x +

0lu537.internetofthings.ibmcloud.com/dashboard/boards/93a43705-5928-4d0b-a151-cb4cbb109400

IBM-Project-48077-... IBM Cloud

### IBM Watson IoT Platform

testdevice

Line chart

12345

Card source data

Card preview

Card information

## Create Line chart Card

Connect data set

temperature

Event

event\_1

Property

temperature

Name

temperature

Type

Number

Unit

°C

Min

0

Max

100

Back Next

gokulnathvelayutham5@gmail.com ID: 0lu537

Add New Card Settings

1 minute

22:13:40 22:14:00

ENG IN 22:14 12-11-2022

IoT-B2-2M4E (Evening Session) - x Service Details - IBM Cloud x IBM Watson IoT Platform x +

0lu537.internetofthings.ibmcloud.com/dashboard/boards/93a43705-5928-4d0b-a151-cb4cbb109400

IBM-Project-48077-... IBM Cloud

### IBM Watson IoT Platform

testdevice

Line chart

12345

Card source data

Card preview

Card information

## Create Gauge Card

Select the card size and specify additional information

Settings XS S M

Gauge

15.0 °C

Back Next

gokulnathvelayutham5@gmail.com ID: 0lu537

Add New Card Settings

1 minute

22:14:10 22:14:20

ENG IN 22:15 12-11-2022

\*\*\*\*\*