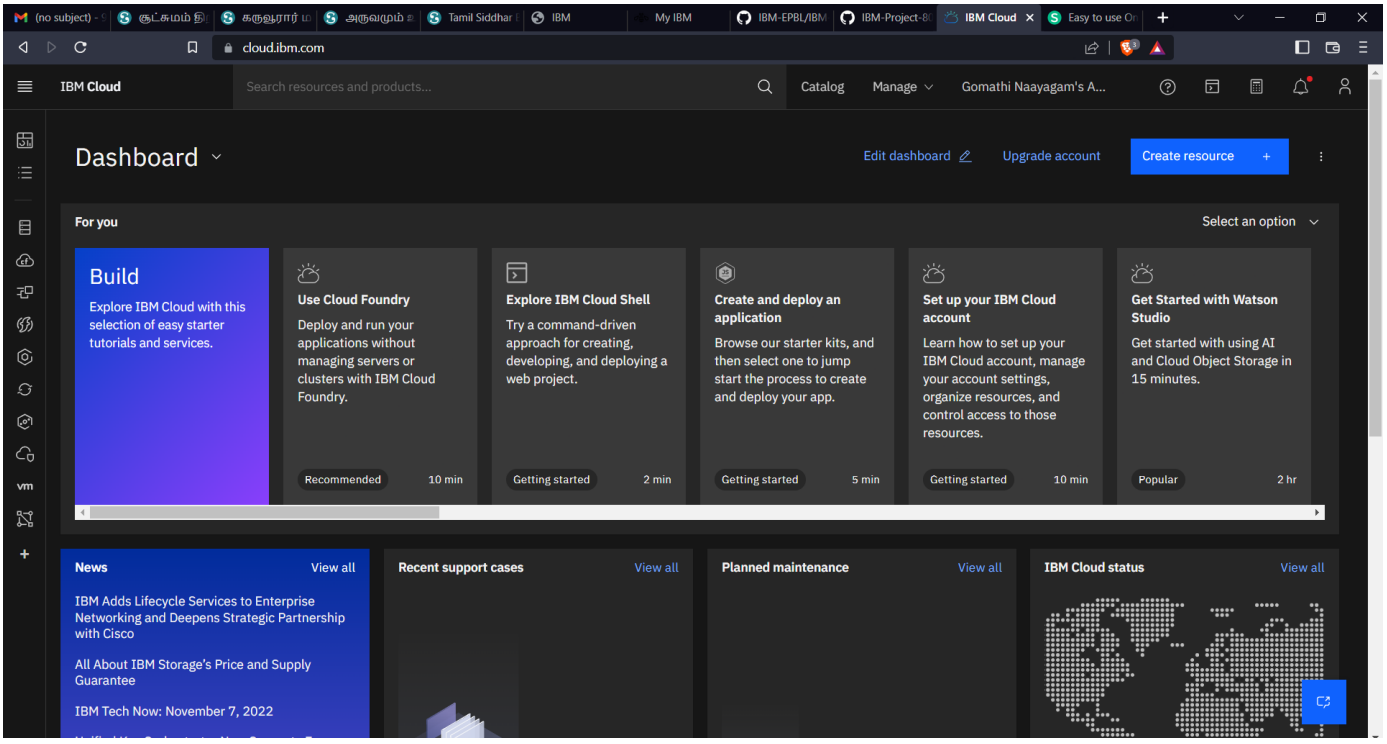
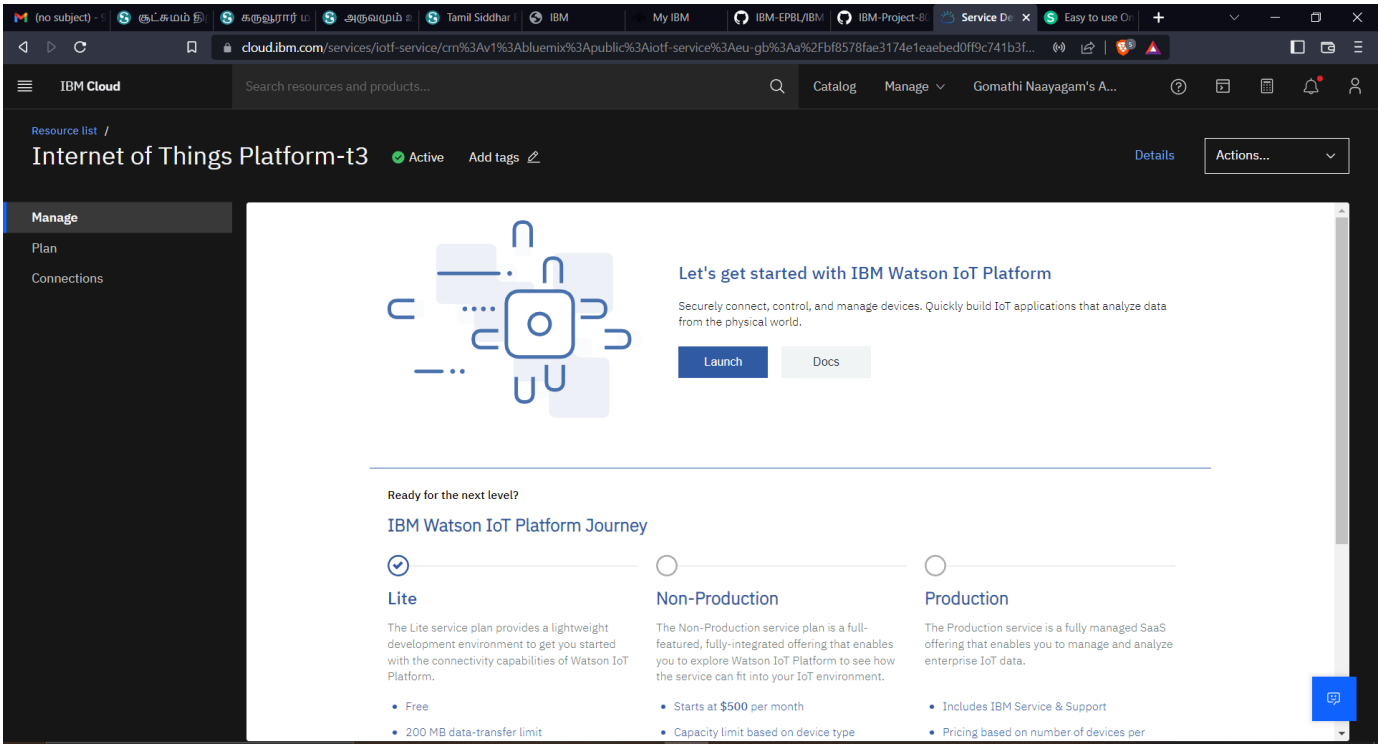
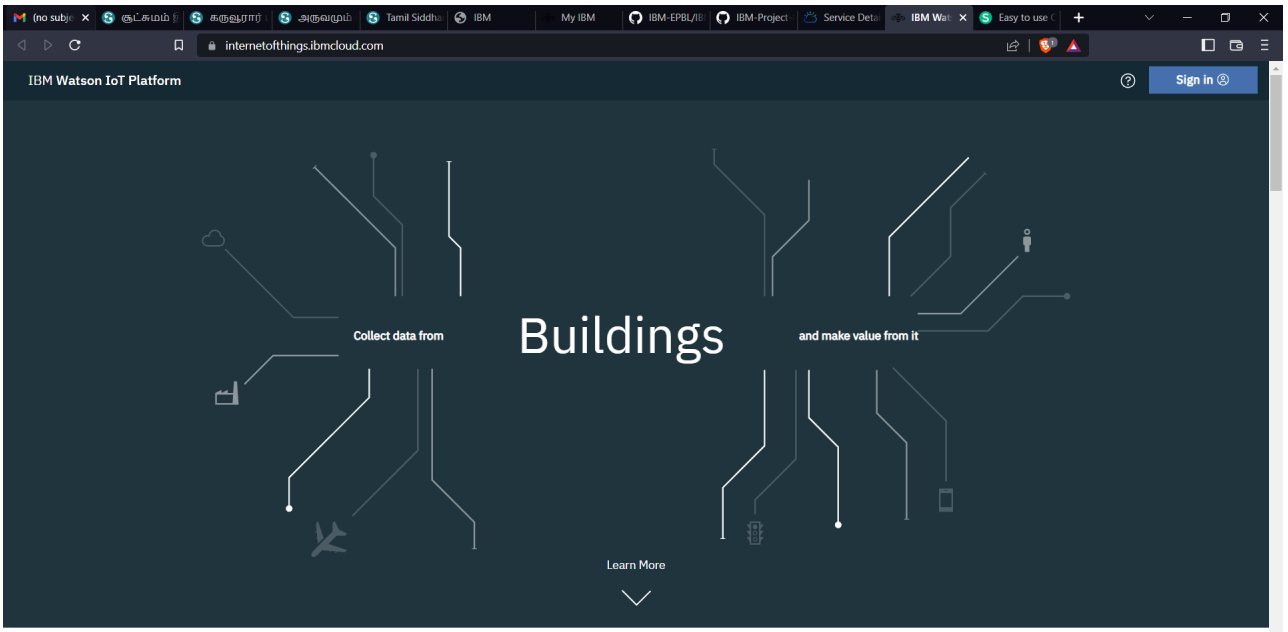
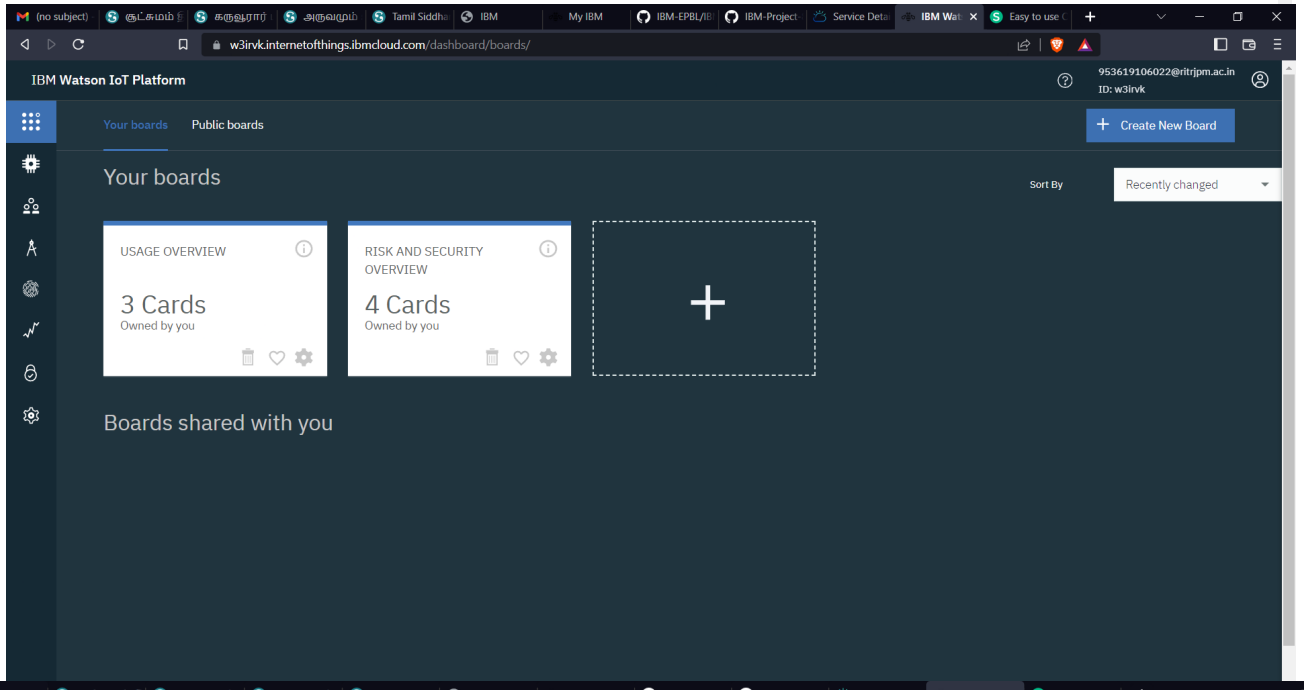
CREATE IBM WATSON IOT PLATFORM AND DEVICE

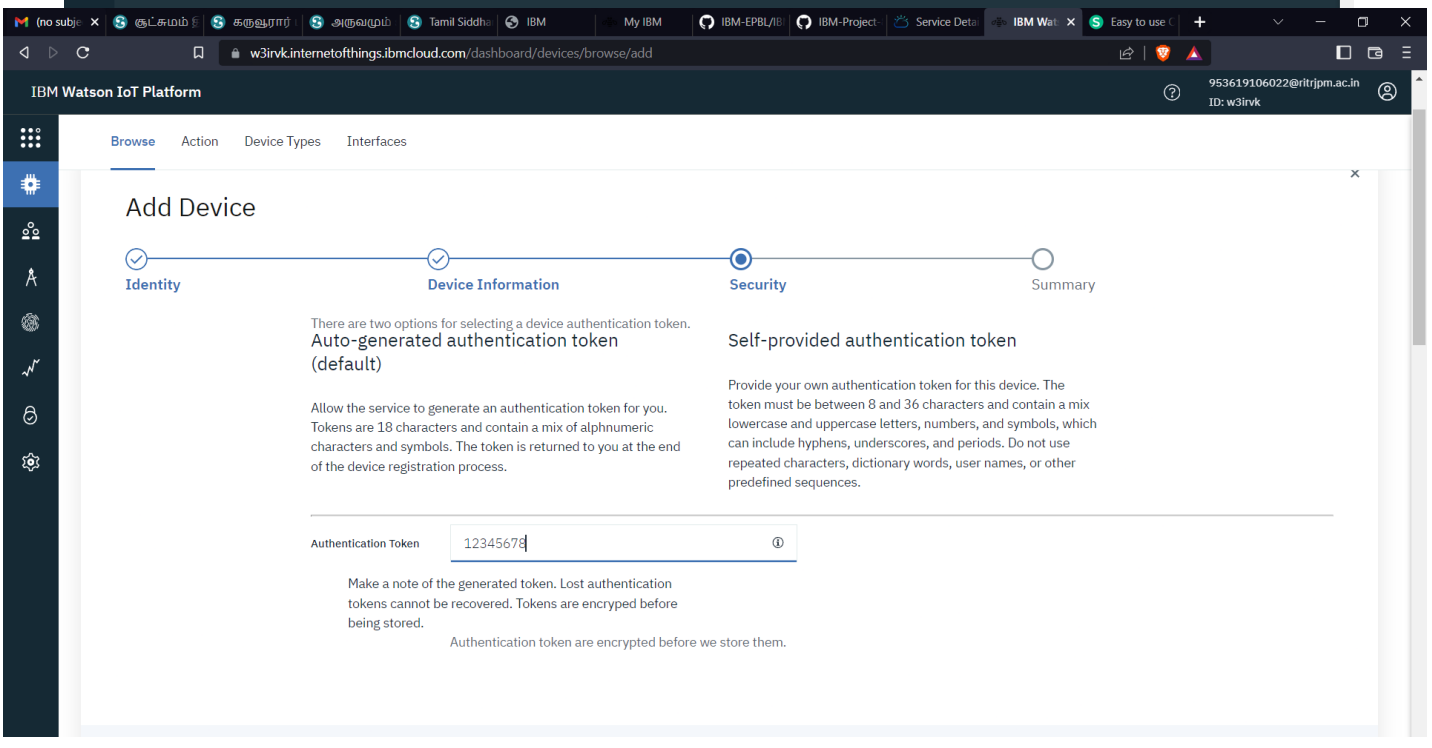
Date:	13 NOVEMBER 2022
Team ID:	PNT2022TMID51059
Project Name:	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

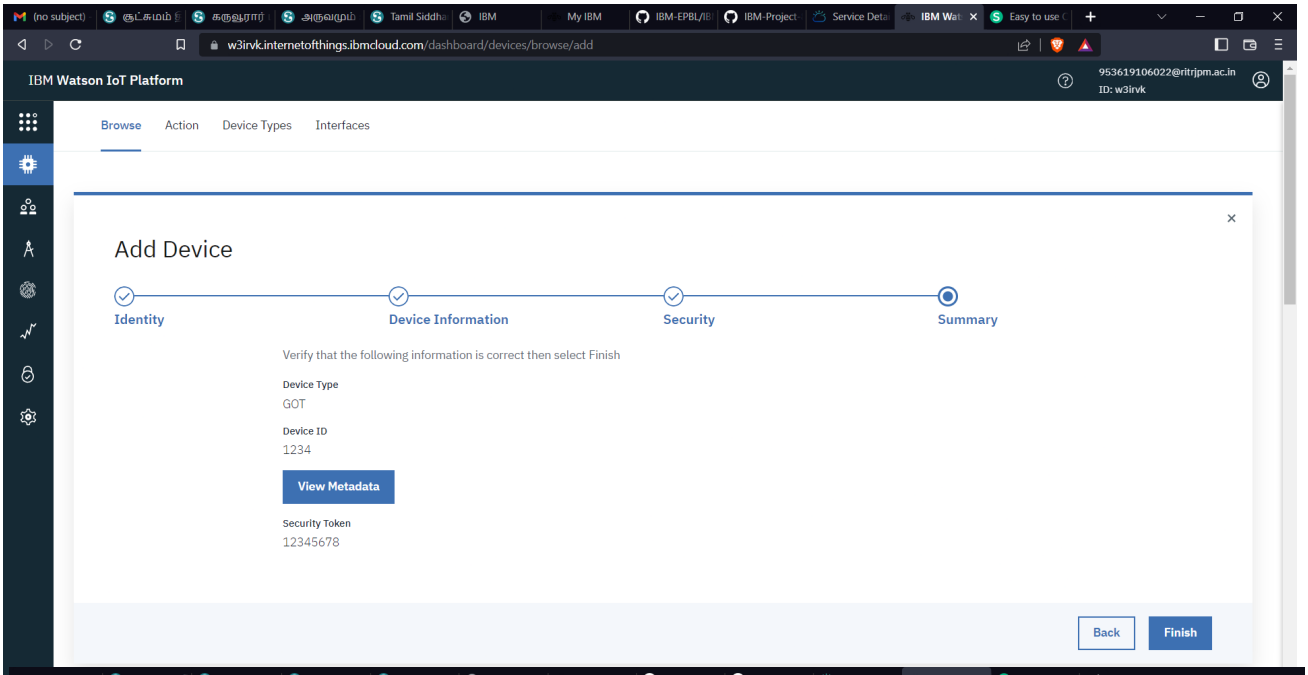


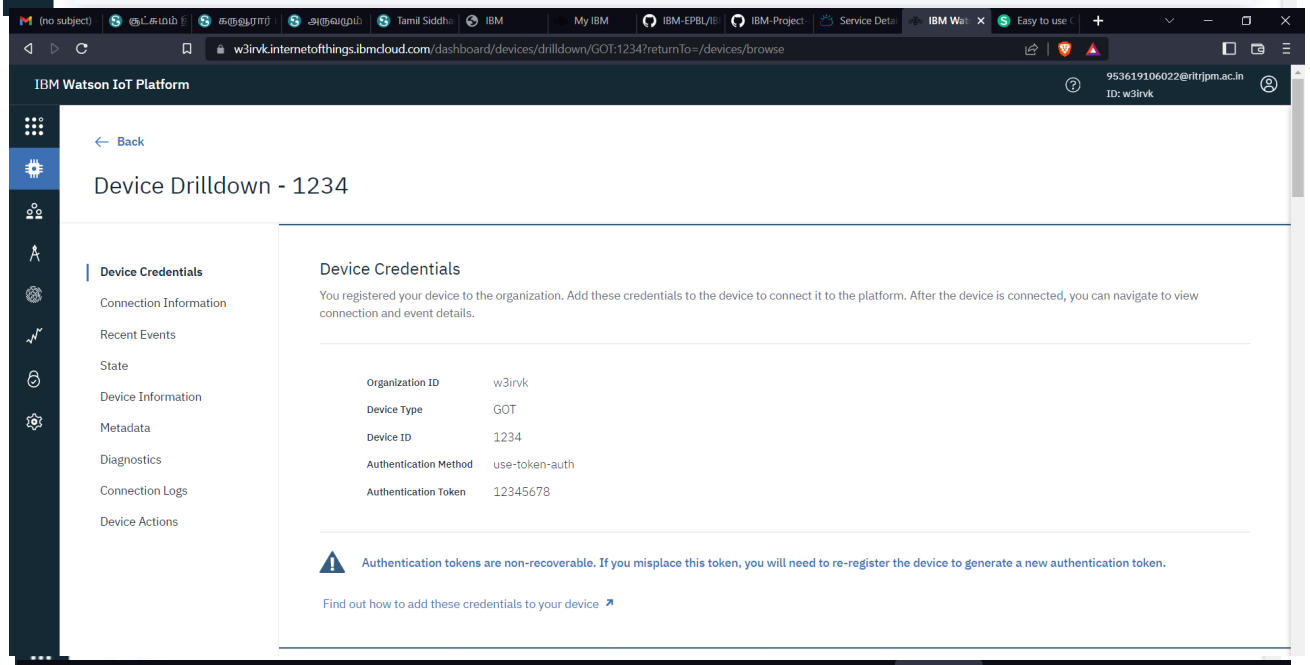


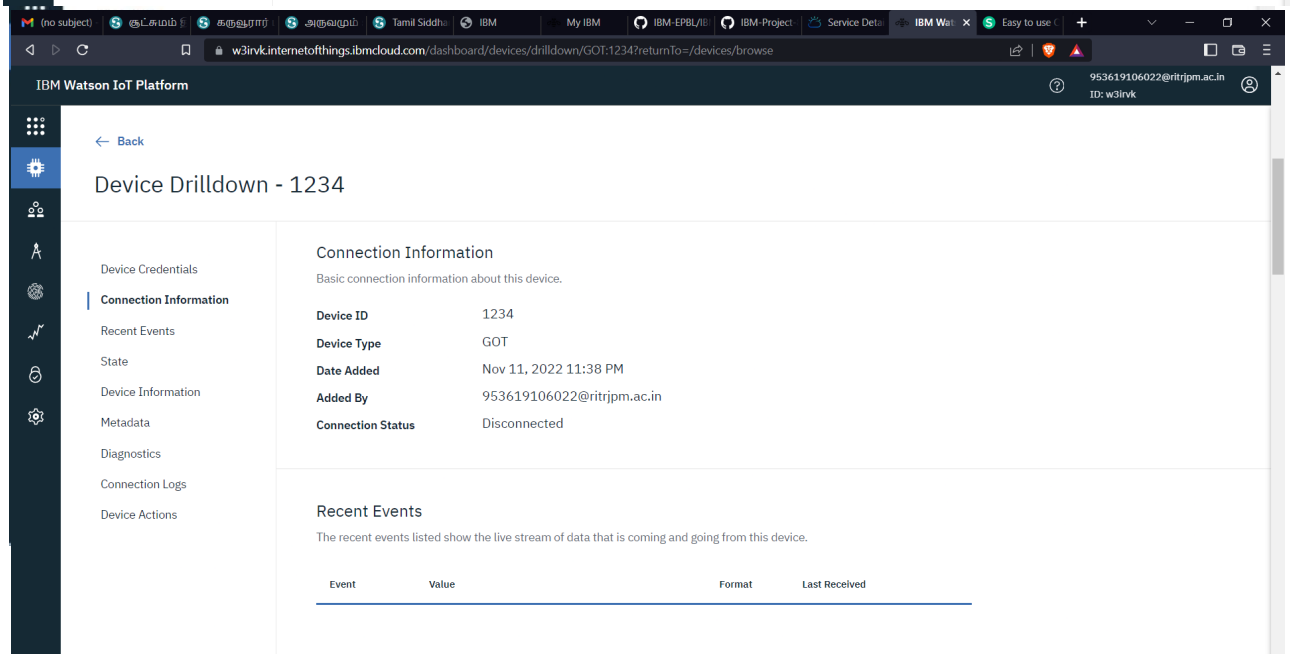

internetofthings.ibmcloud.com
IBM Watson IoT Platform
Sign in
Collect data from
Buildings
and make value from it
Learn More

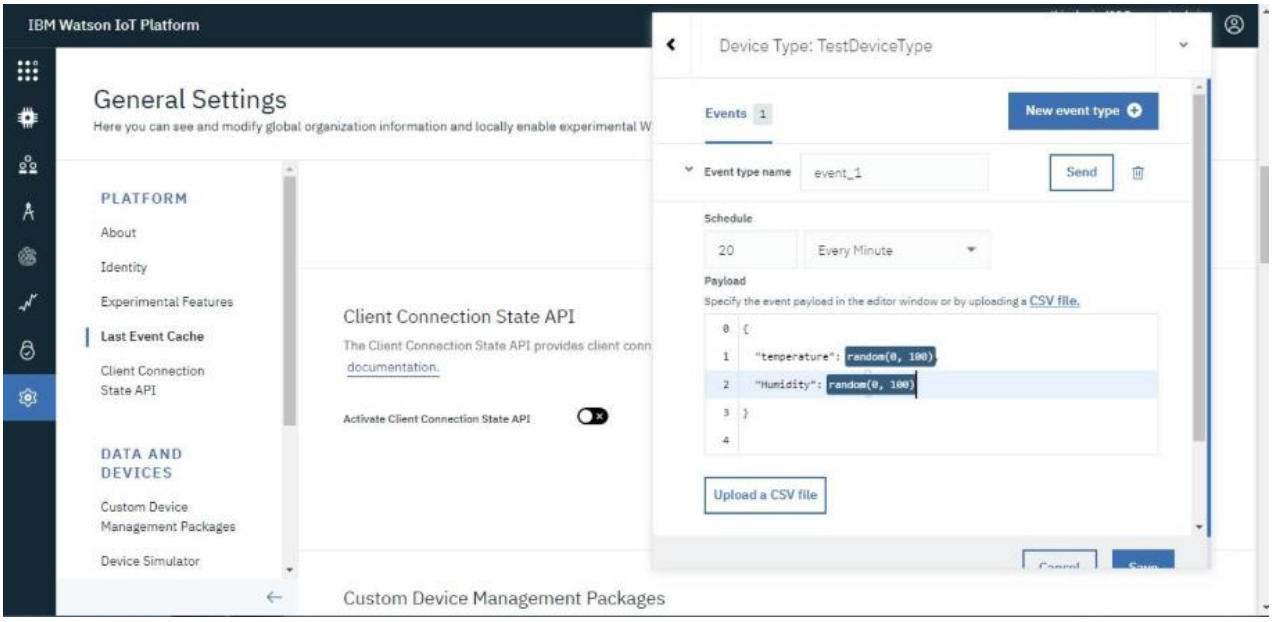

w3irvk.internetofthings.ibmcloud.com/dashboard/boards/
IBM Watson IoT Platform
953619106022@ritrjpm.ac.in
ID: w3irvk
Your boards
Public boards
Create New Board
Your boards
Sort By
Recently changed
USAGE OVERVIEW
3 Cards
Owned by you
RISK AND SECURITY OVERVIEW
4 Cards
Owned by you
Boards shared with you

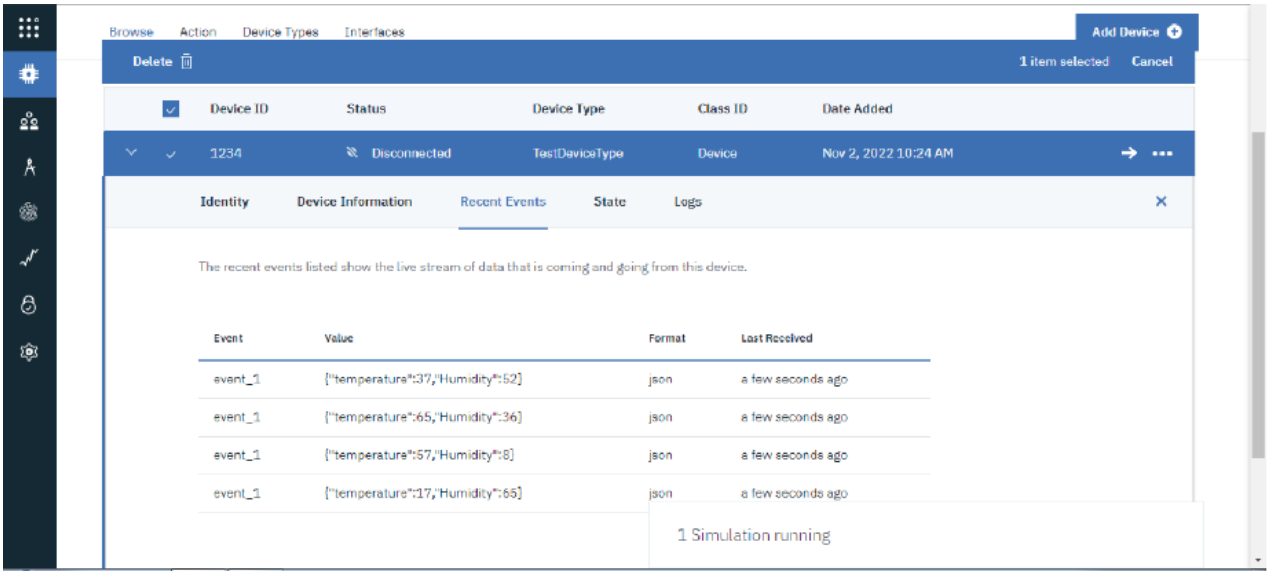

w3irvk.internetofthings.ibmcloud.com/dashboard/devices/browse/add
IBM Watson IoT Platform
953619106022@ritrjpm.ac.in
ID: w3irvk
Browse
Action
Device Types
Interfaces
Add Device
Identity
Device Information
Security
Summary
There are two options for selecting a device authentication token.
Auto-generated authentication token (default)
Allow the service to generate an authentication token for you. Tokens are 18 characters and contain a mix of alphnumeric characters and symbols. The token is returned to you at the end of the device registration process.
Self-provided authentication token
Provide your own authentication token for this device. The token must be between 8 and 36 characters and contain a mix lowercase and uppercase letters, numbers, and symbols, which can include hyphens, underscores, and periods. Do not use repeated characters, dictionary words, user names, or other predefined sequences.
Authentication Token
12345678
Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encryped before being stored.
Authentication token are encrypted before we store them.

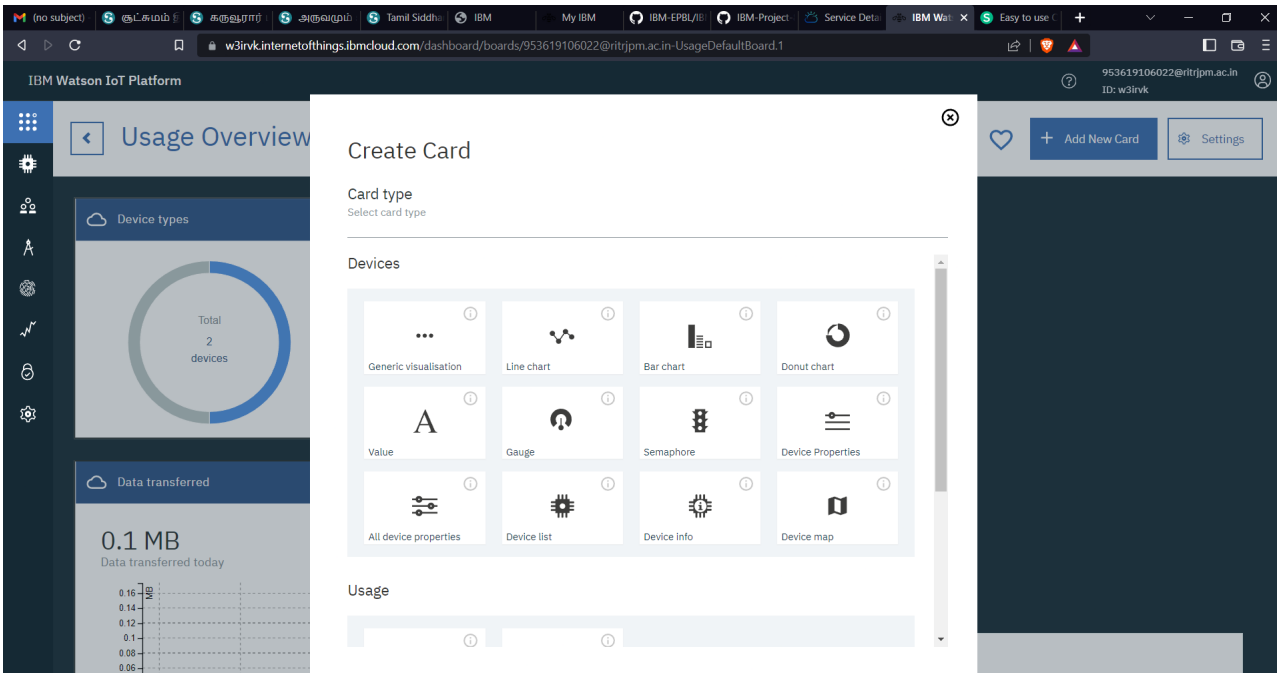

w3irvk.internetofthings.ibmcloud.com/dashboard/devices/browse/add
IBM Watson IoT Platform
953619106022@ritrjpm.ac.in
ID: w3irvk
Browse
Action
Device Types
Interfaces
Add Device
Identity
Device Information
Security
Summary
Verify that the following information is correct then select Finish
Device Type
GOT
Device ID
1234
View Metadata
Security Token
12345678
Back
Finish

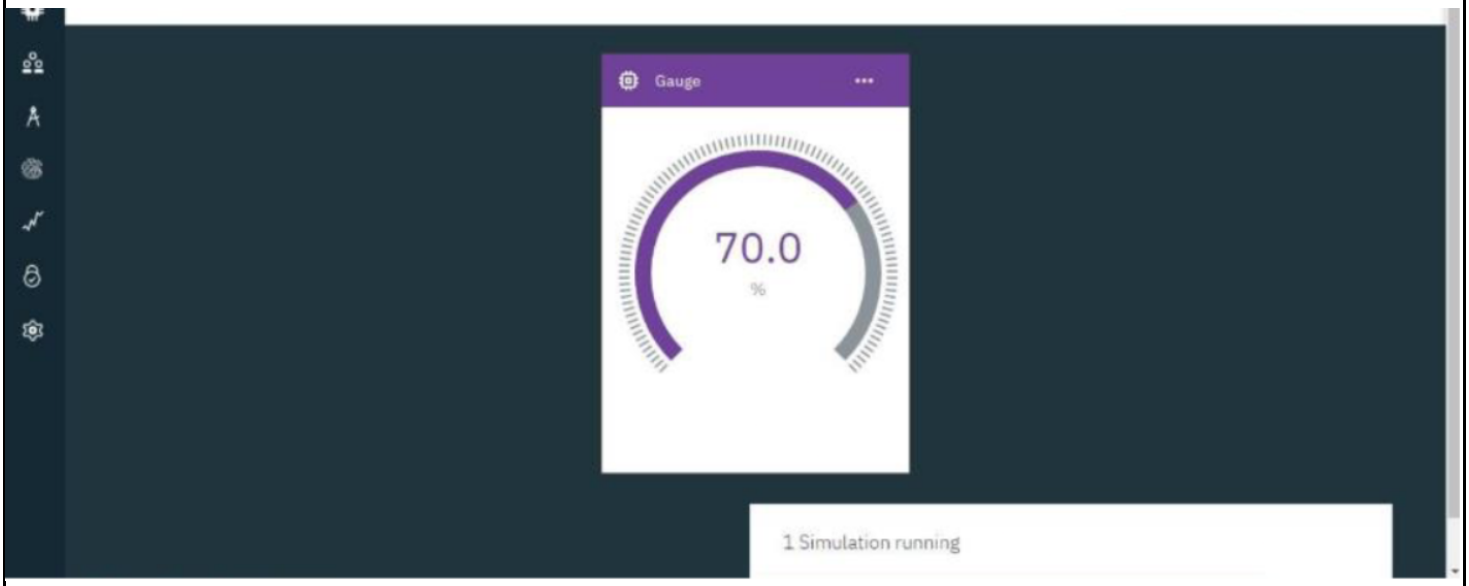

w3irvk.internetofthings.ibmcloud.com/dashboard/devices/drilldown/GOT:1234?returnTo=/devices/browse
IBM Watson IoT Platform
953619106022@ritrjpm.ac.in
ID: w3irvk
Back
Device Drilldown - 1234
Device Credentials
Connection Information
Recent Events
State
Device Information
Metadata
Diagnostics
Connection 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
w3irvk
Device Type
GOT
Device ID
1234
Authentication Method
use-token-auth
Authentication Token
12345678
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


w3irvk.internetofthings.ibmcloud.com/dashboard/devices/drilldown/GOT:1234?returnTo=/devices/browse
IBM Watson IoT Platform
953619106022@ritrjpm.ac.in
ID: w3irvk
Back
Device Drilldown - 1234
Device Credentials
Connection Information
Recent Events
State
Device Information
Metadata
Diagnostics
Connection Logs
Device Actions
Connection Information
Basic connection information about this device.
Device ID
1234
Device Type
GOT
Date Added
Nov 11, 2022 11:38 PM
Added By
953619106022@ritrjpm.ac.in
Connection Status
Disconnected
Recent Events
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received


IBM Watson IoT Platform
General Settings
Here you can see and modify global organization information and locally enable experimental W
PLATFORM
About
Identity
Experimental Features
Last Event Cache
Client Connection State API
DATA AND DEVICES
Custom Device Management Packages
Device Simulator
Client Connection State API
The Client Connection State API provides client conn
documentation.
Activate Client Connection State API
Custom Device Management Packages
Device Type: TestDeviceType
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.
{
"temperature": random(0, 100)
"Humidity": random(0, 100)
}
Upload a CSV file
Cancel
Save


Browse
Action
Device Types
Interfaces
Add Device
Delete
1 item selected
Cancel
Device ID
Status
Device Type
Class ID
Date Added
1234
Disconnected
TestDeviceType
Device
Nov 2, 2022 10:24 AM
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":37,"Humidity":52}
json
a few seconds ago
event_1
{"temperature":65,"Humidity":36}
json
a few seconds ago
event_1
{"temperature":57,"Humidity":8}
json
a few seconds ago
event_1
{"temperature":17,"Humidity":65}
json
a few seconds ago
1 Simulation running


w3irvk.internetofthings.ibmcloud.com/dashboard/boards/953619106022@ritrjpm.ac.in-UsageDefaultBoard.1
IBM Watson IoT Platform
953619106022@ritrjpm.ac.in
ID: w3irvk
Usage Overview
Add New Card
Settings
Device types
Total
2
devices
Data transferred
0.1 MB
Data transferred today
Create Card
Card type
Select card type
Devices
Generic visualisation
Line chart
Bar chart
Donut chart
Value
Gauge
Semaphore
Device Properties
All device properties
Device list
Device info
Device map
Usage



RESULT:

An IBM Watson cloud for IoT and a device are created successfully.