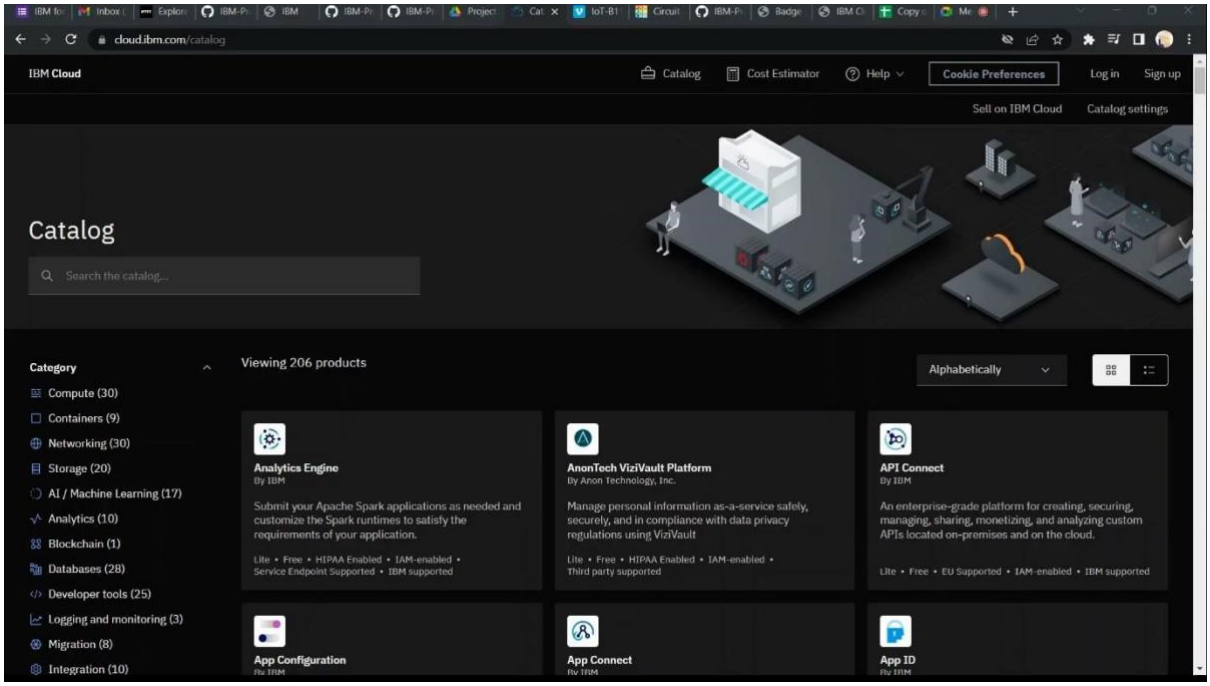
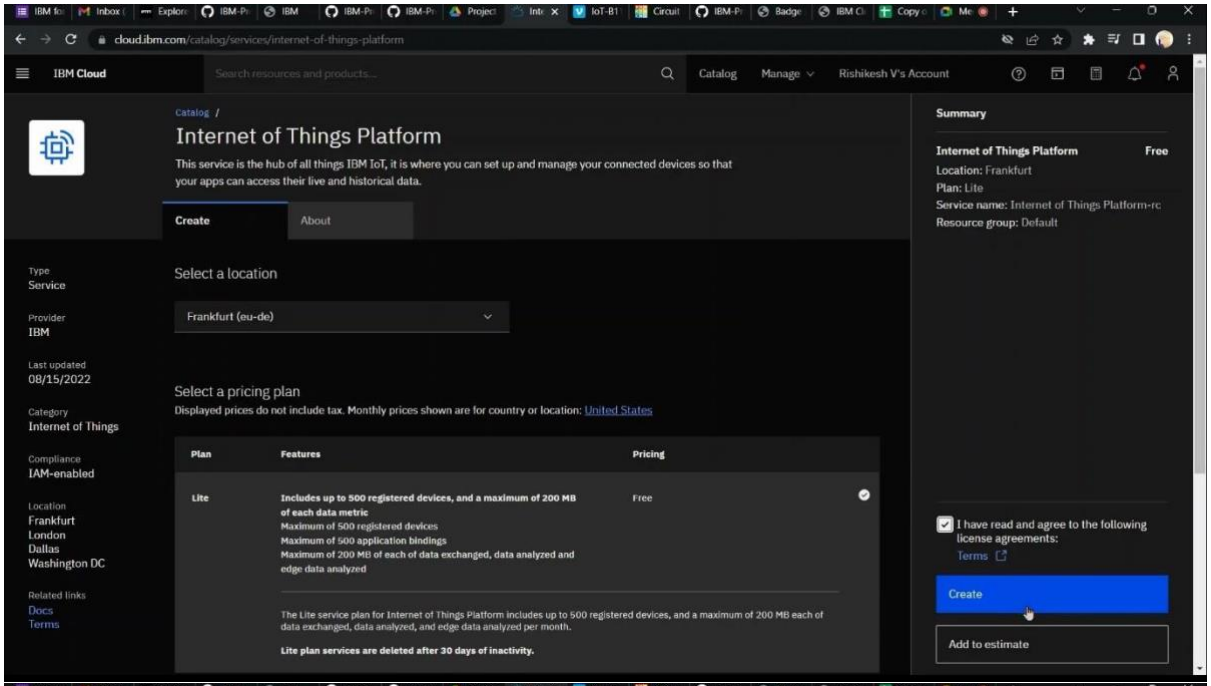
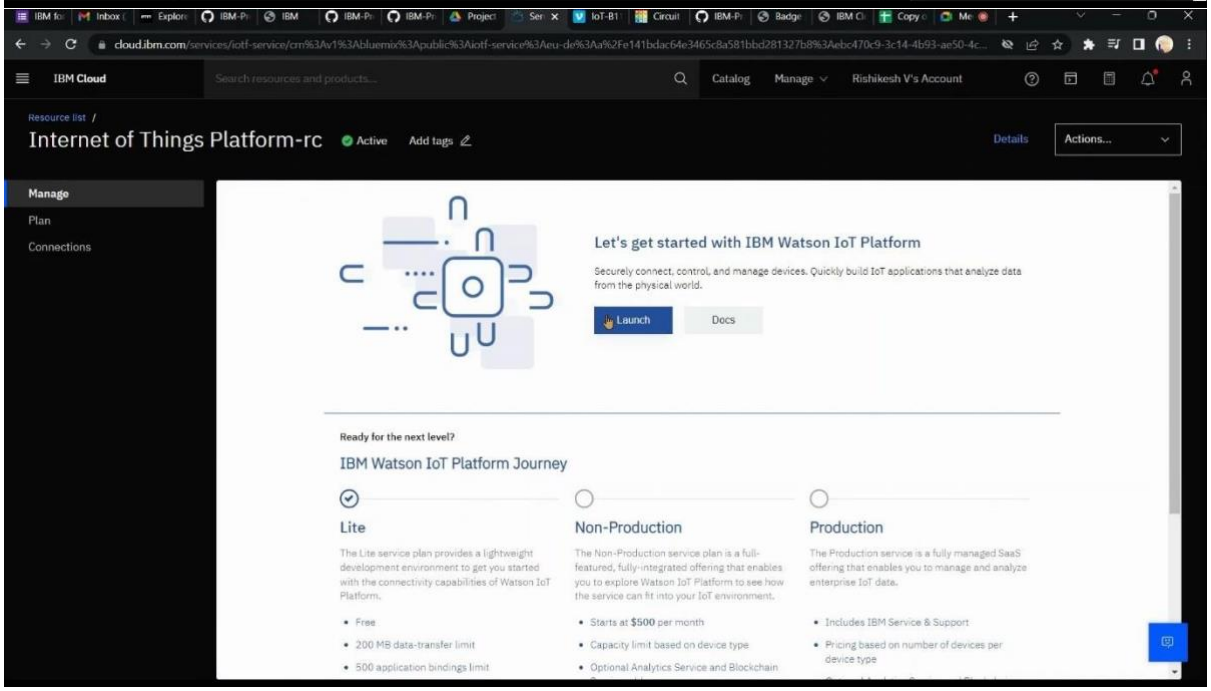
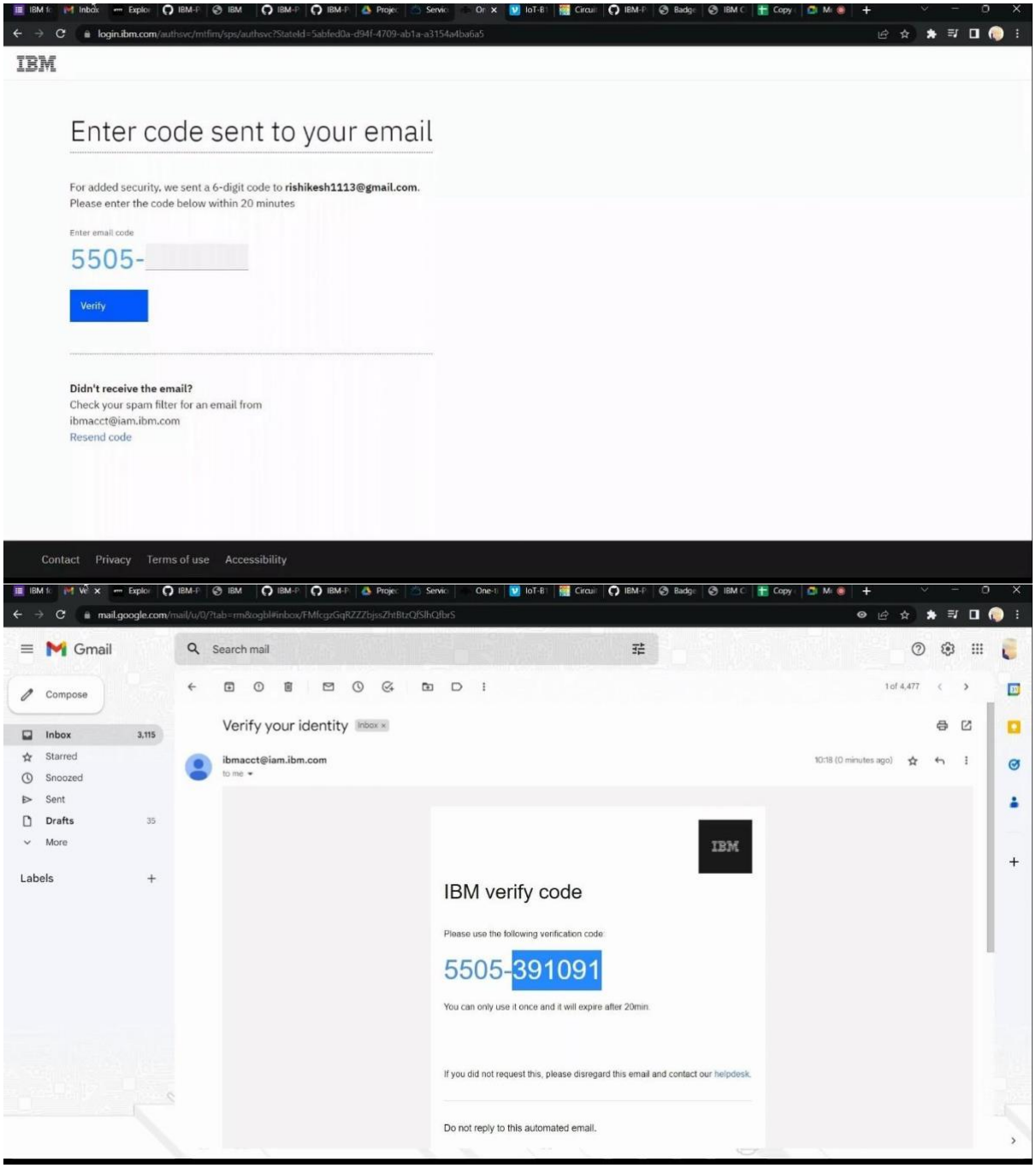
CREATE IBM WATSON IOT PLATFORM AND DEVICE

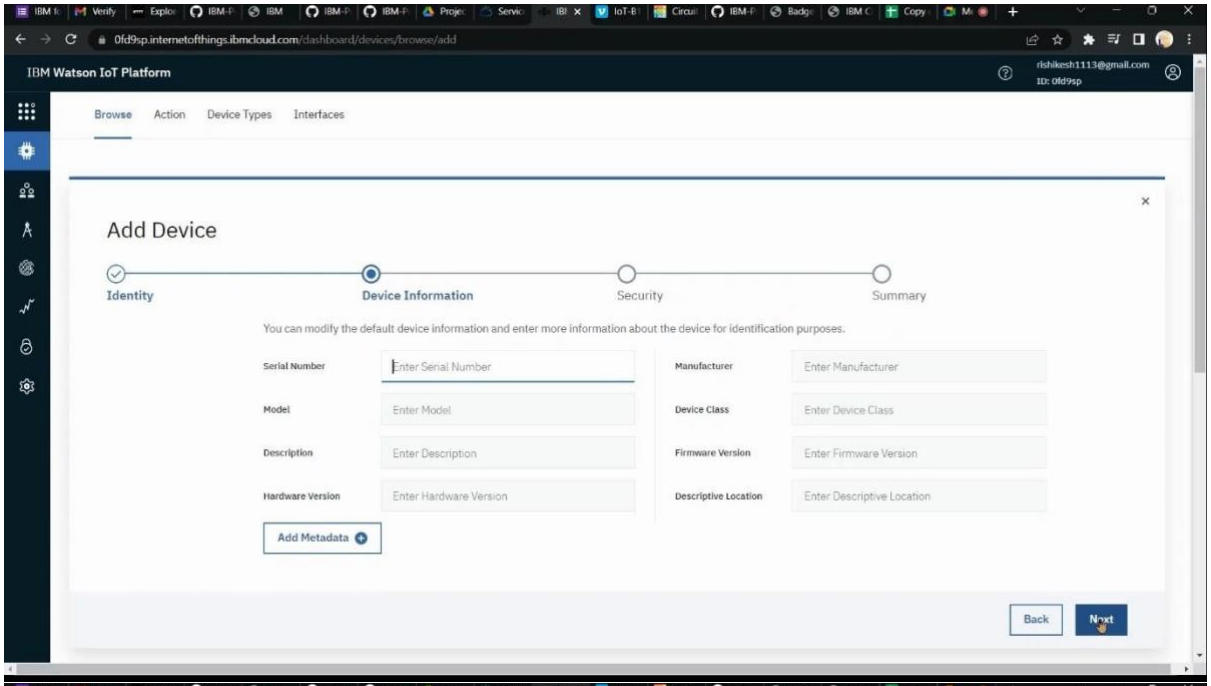
Team ID	PNT2022TMID34127
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

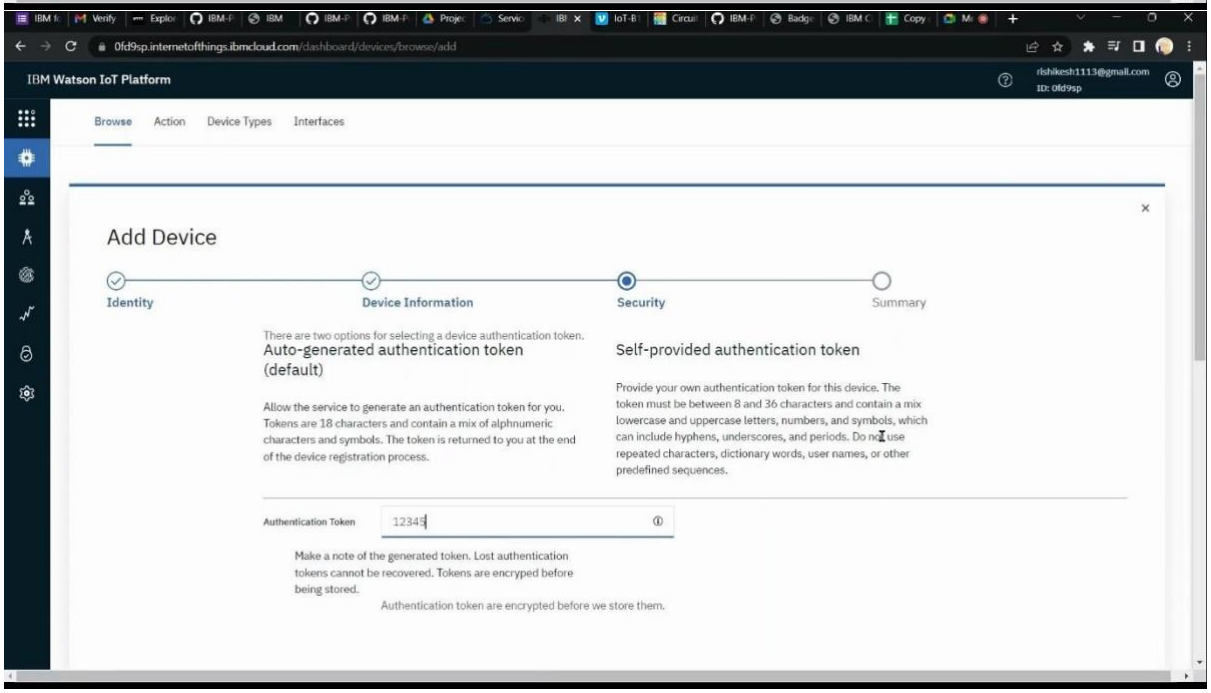


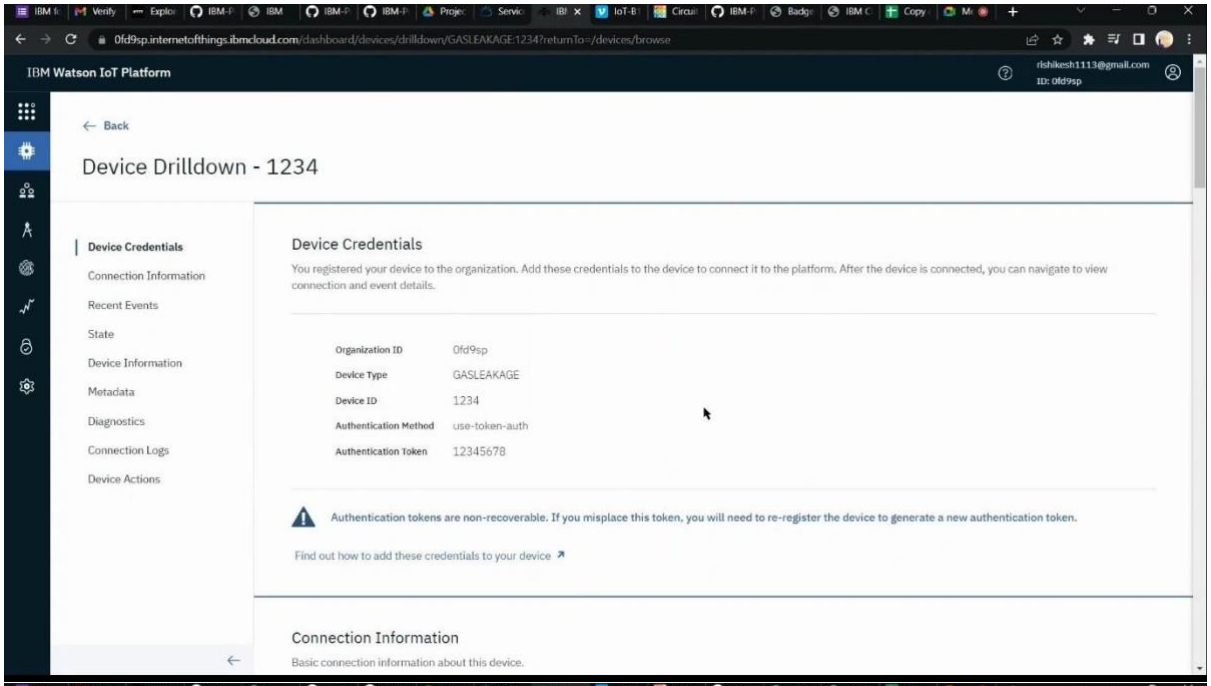

cloud.ibm.com/catalog/services/internet-of-things-platform
IBM Cloud
Search resources and products...
Catalog
Manage
Rishikesh V's Account
Catalog /
Internet of Things Platform
This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps 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
London
Dallas
Washington DC
Related links
Docs
Terms
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
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: Frankfurt
Plan: Lite
Service name: Internet of Things Platform-rc
Resource group: Default
I have read and agree to the following license agreements:
Terms
Create
Add to estimate

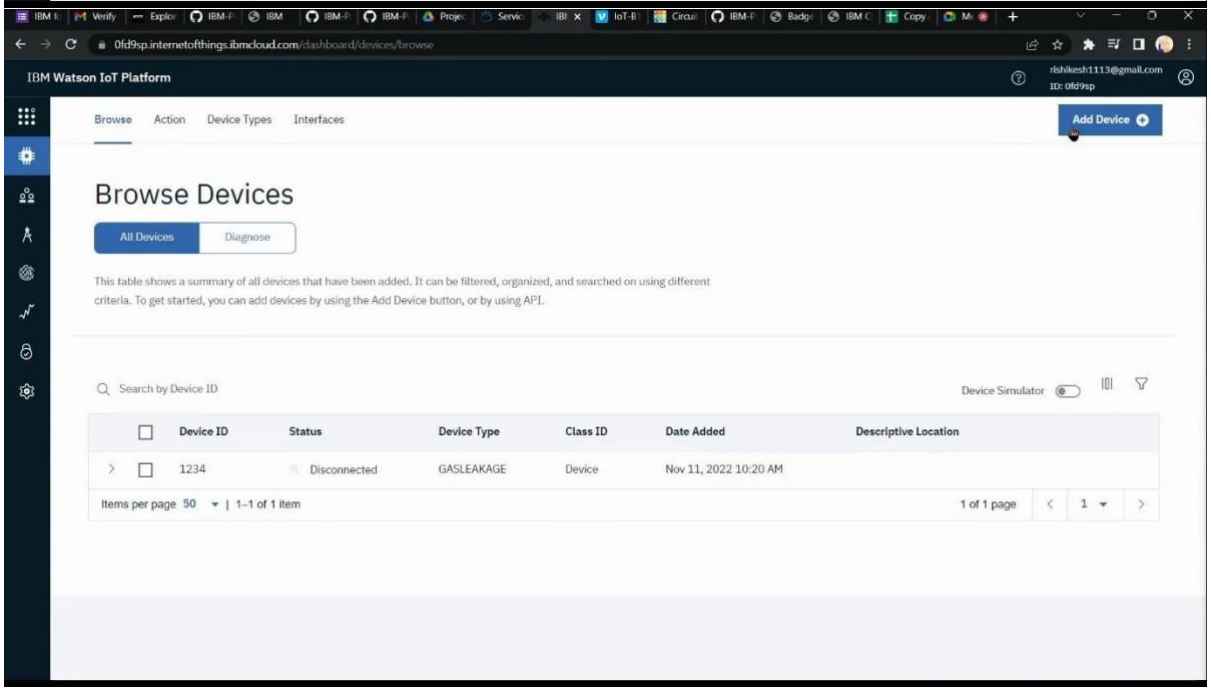

cloud.ibm.com/services/iotf-service/crn%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2Fe141bdac64e3465c8a581bbd281327b8%3Aebc470c9-3c14-4b93-ae50-4c...
IBM Cloud
Search resources and products...
Catalog
Manage
Rishikesh V's Account
Resource list /
Internet of Things Platform-rc
Active
Add tags
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
The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.
Free
200 MB data-transfer limit
500 application bindings limit
Non-Production
The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.
Starts at $500 per month
Capacity limit based on device type
Optional Analytics Service and Blockchain
Production
The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.
Includes IBM Service & Support
Pricing based on number of devices per device type

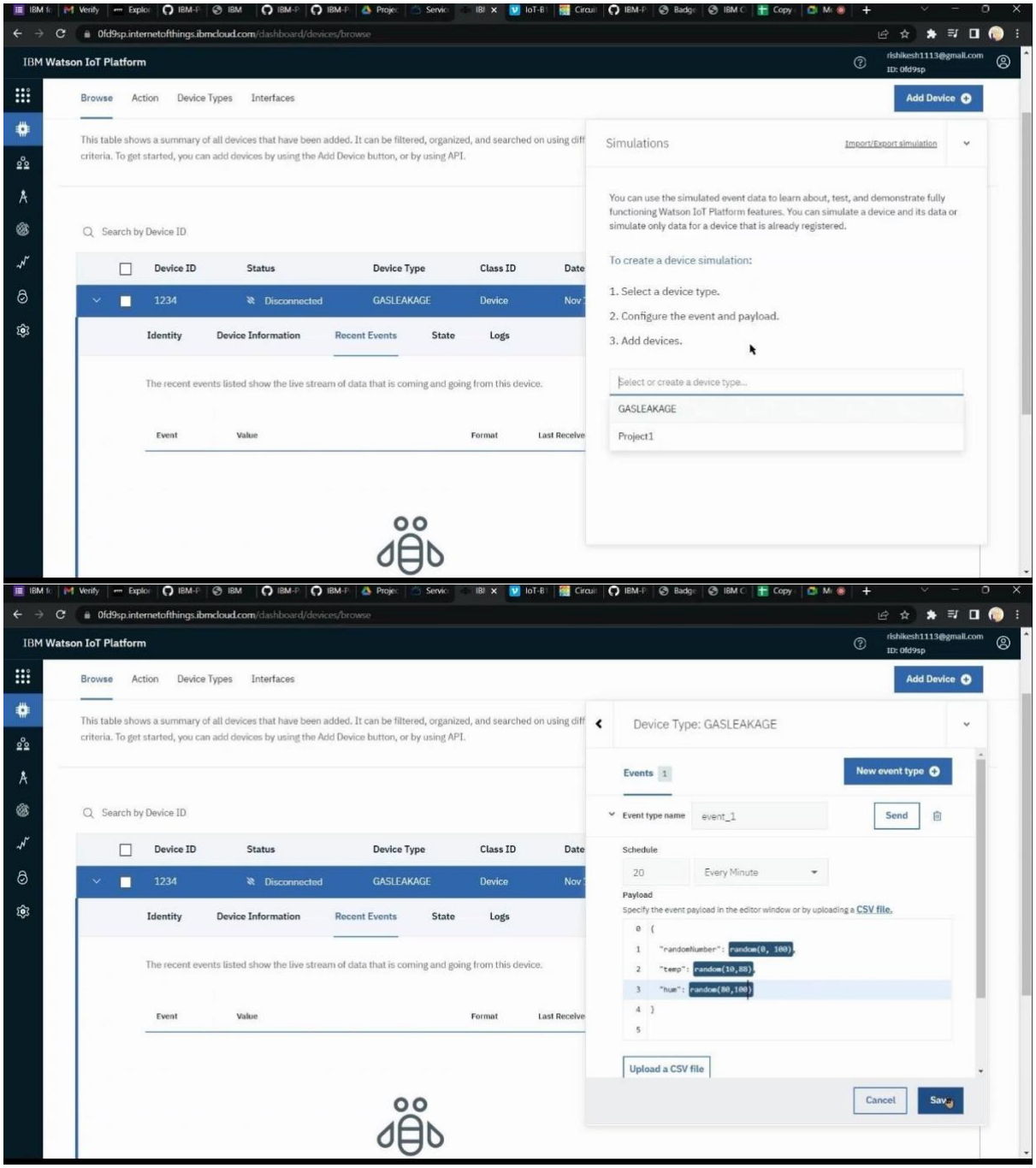

login.ibm.com/authsvc/mtfim/sps/authsvc?StateId=5abfed0a-d94f-4709-ab1a-a3154a4ba6a5
IBM
Enter code sent to your email
For added security, we sent a 6-digit code to rishikesh1113@gmail.com.
Please enter the code below within 20 minutes
Enter email code
5505-
Verify
Didn't receive the email?
Check your spam filter for an email from
ibmacct@iam.ibm.com
Resend code
Contact
Privacy
Terms of use
Accessibility
mail.google.com/mail/u/0/?tab=rm&ogbl#inbox/FMfcgzGqRZZZbjssZhtBtzQfSlhQfbrS
Gmail
Search mail
Compose
Inbox 3,115
Starred
Snoozed
Sent
Drafts 35
More
Labels
1 of 4,477
Verify your identity
Inbox
ibmacct@iam.ibm.com
to me
10:18 (0 minutes ago)
IBM
IBM verify code
Please use the following verification code:
5505-391091
You can only use it once and it will expire after 20min.
If you did not request this, please disregard this email and contact our helpdesk.
Do not reply to this automated email.


0fd9sp.internetofthings.ibmcloud.com/dashboard/devices/browse/add
IBM Watson IoT Platform
rishikesh1113@gmail.com
ID: 0fd9sp
Browse
Action
Device Types
Interfaces
Add Device
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

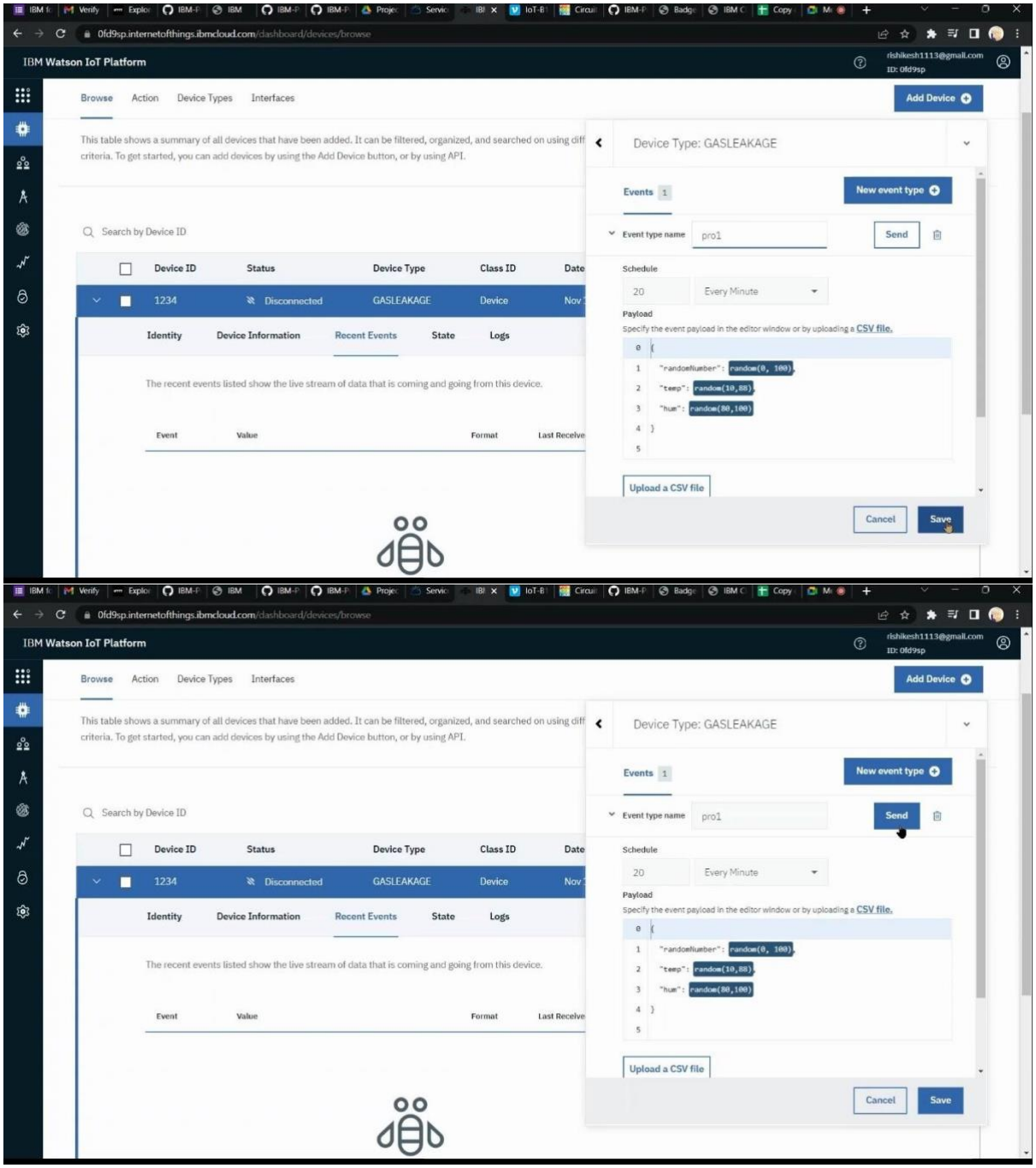

0fd9sp.internetofthings.ibmcloud.com/dashboard/devices/browse/add
IBM Watson IoT Platform
rishikesh1113@gmail.com
ID: 0fd9sp
Browse
Action
Device Types
Interfaces
Add Device
Identity
Device Information
Security
Summary
There are two options for selecting a device authentication token.
Auto-generated 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
12345
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.

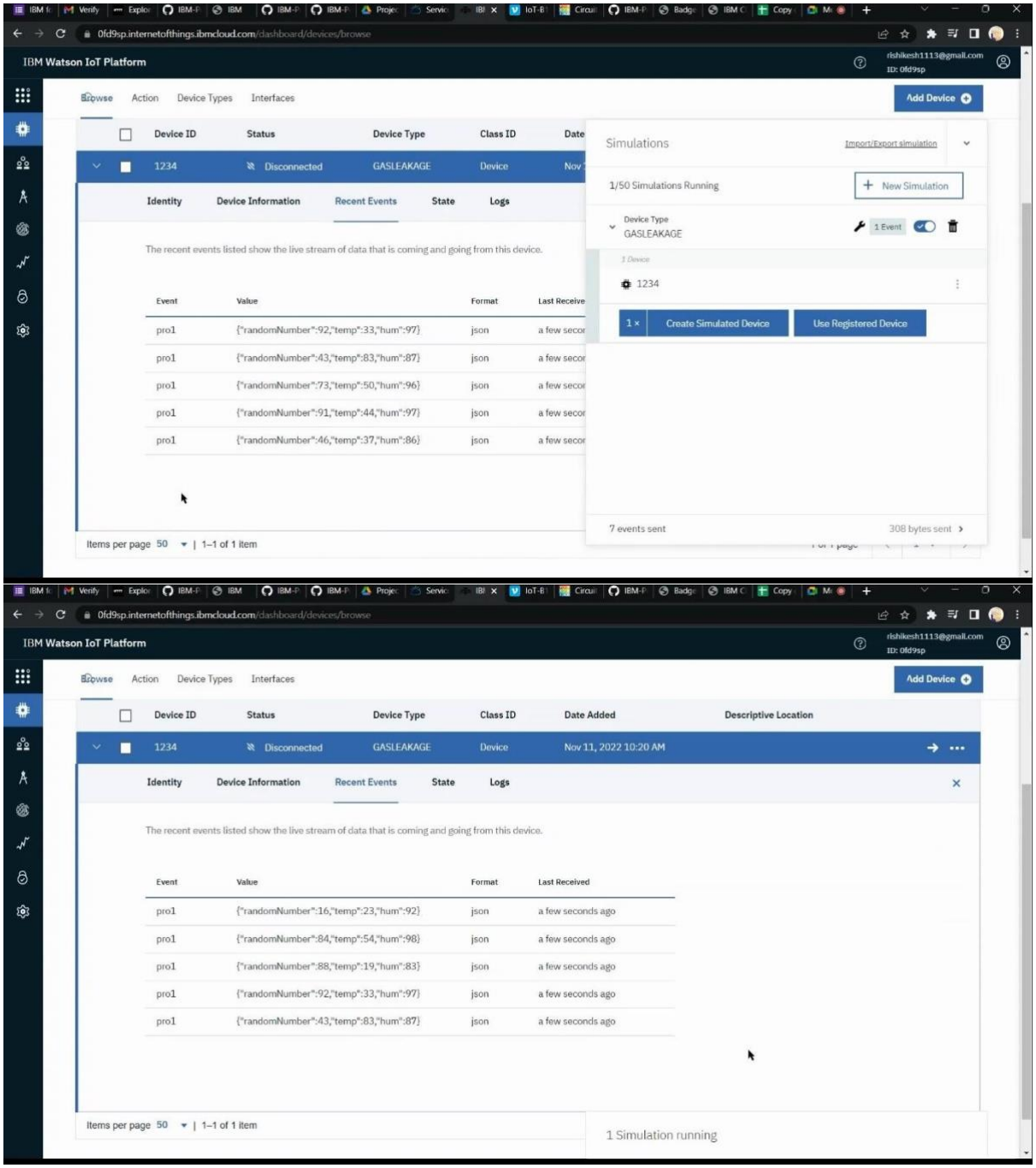

0fd9sp.internetofthings.ibmcloud.com/dashboard/devices/drilldown/GASLEAKAGE:1234?returnTo=/devices/browse
IBM Watson IoT Platform
rishikesh1113@gmail.com
ID: 0fd9sp
Back
Device Drilldown - 1234
Device Credentials
Connection Information
Recent Events
State
Device Information
Metadata
Diagnostics
Connection 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 0fd9sp
Device Type GASLEAKAGE
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
Connection Information
Basic connection information about this device.


0fd9sp.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
rishikesh1113@gmail.com
ID: 0fd9sp
Browse
Action
Device Types
Interfaces
Add Device
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.
Search by Device ID
Device Simulator
Device ID
Status
Device Type
Class ID
Date Added
Descriptive Location
1234
Disconnected
GASLEAKAGE
Device
Nov 11, 2022 10:20 AM
Items per page 50
1–1 of 1 item
1 of 1 page
1

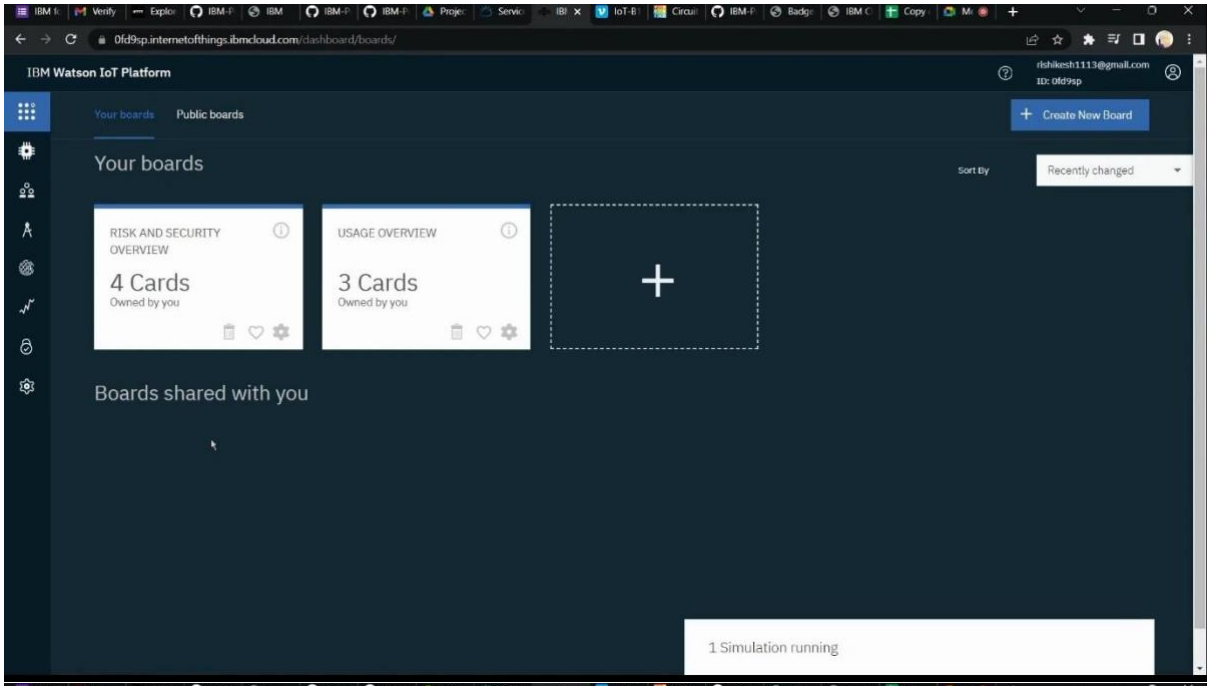

IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
Add Device
Simulations
Import/Export simulation
You can use the simulated event data to learn about, test, and demonstrate fully functioning Watson IoT Platform features. You can simulate a device and its data or simulate only data for a device that is already registered.
To create a device simulation:
1. Select a device type.
2. Configure the event and payload.
3. Add devices.
Select or create a device type...
GASLEAKAGE
Project1
Search by Device ID
Device ID
Status
Device Type
Class ID
1234
Disconnected
GASLEAKAGE
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

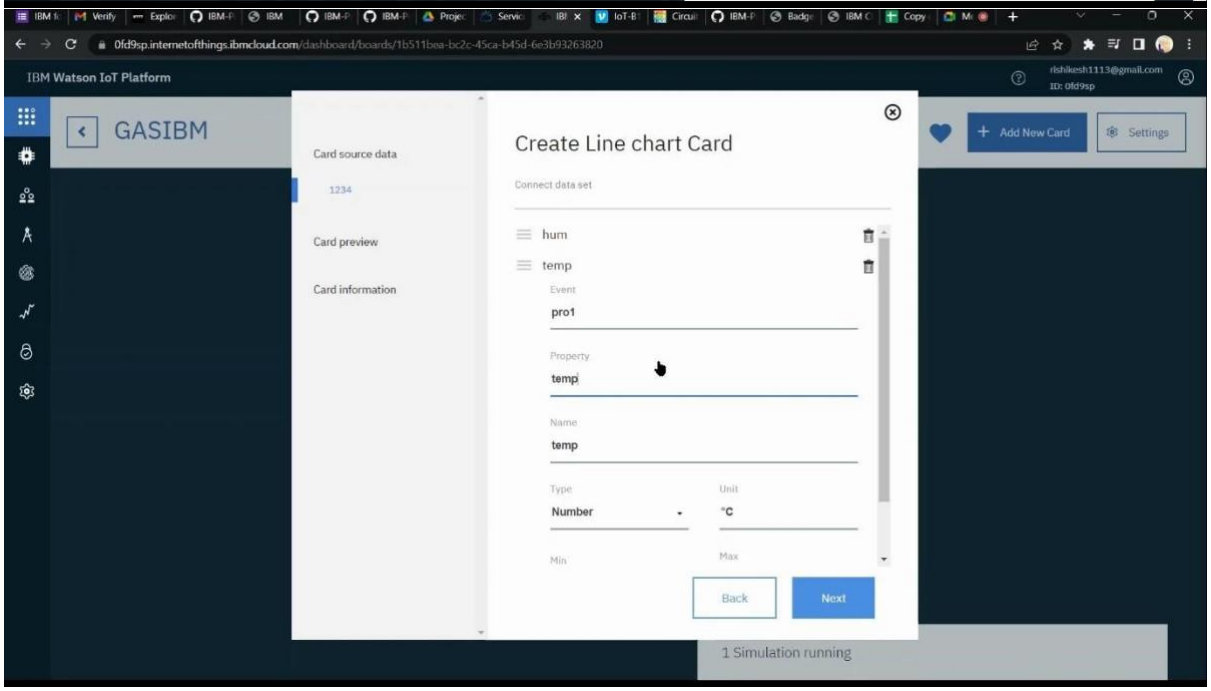
IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
Add Device
Device Type: GASLEAKAGE
Events 1
New event type
Event type name
event_1
Send
Schedule
20
Every Minute
Payload
Specify the event payload in the editor window or by uploading a CSV file.
{
"randomNumber": random(0, 100),
"temp": random(10,88),
"hum": random(80,100)
}
Upload a CSV file
Cancel
Save
Search by Device ID
Device ID
Status
Device Type
Class ID
1234
Disconnected
GASLEAKAGE
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


IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
Add Device
Device Type: GASLEAKAGE
Events 1
New event type
Event type name
pro1
Send
Schedule
20
Every Minute
Payload
Specify the event payload in the editor window or by uploading a CSV file.
"randomNumber": random(0, 100),
"temp": random(10,88),
"hum": random(80,100)
Upload a CSV file
Cancel
Save
Search by Device ID
Device ID
Status
Device Type
Class ID
1234
Disconnected
GASLEAKAGE
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


IBM Watson IoT Platform
rishikesh1113@gmail.com
ID: 0fd9sp
Browse
Action
Device Types
Interfaces
Add Device
Device ID
Status
Device Type
Class ID
Date
1234
Disconnected
GASLEAKAGE
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 Receive
pro1
{"randomNumber":92,"temp":33,"hum":97}
{"randomNumber":43,"temp":83,"hum":87}
{"randomNumber":73,"temp":50,"hum":96}
{"randomNumber":91,"temp":44,"hum":97}
{"randomNumber":46,"temp":37,"hum":86}
json
Items per page 50
1–1 of 1 item
Simulations
Import/Export simulation
1/50 Simulations Running
New Simulation
Device Type
GASLEAKAGE
1 Event
1 Device
1234
1 ×
Create Simulated Device
Use Registered Device
7 events sent
308 bytes sent

IBM Watson IoT Platform
rishikesh1113@gmail.com
ID: 0fd9sp
Browse
Action
Device Types
Interfaces
Add Device
Device ID
Status
Device Type
Class ID
Date Added
Descriptive Location
1234
Disconnected
GASLEAKAGE
Device
Nov 11, 2022 10:20 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
pro1
{"randomNumber":16,"temp":23,"hum":92}
{"randomNumber":84,"temp":54,"hum":98}
{"randomNumber":88,"temp":19,"hum":83}
{"randomNumber":92,"temp":33,"hum":97}
{"randomNumber":43,"temp":83,"hum":87}
json
a few seconds ago
Items per page 50
1–1 of 1 item
1 Simulation running


0fd9sp.internetofthings.ibmcloud.com/dashboard/boards/
IBM Watson IoT Platform
rishikesh1113@gmail.com
ID: 0fd9sp
Your boards
Public boards
Create New Board
Your boards
Sort By
Recently changed
RISK AND SECURITY OVERVIEW
4 Cards
Owned by you
USAGE OVERVIEW
3 Cards
Owned by you
Boards shared with you
1 Simulation running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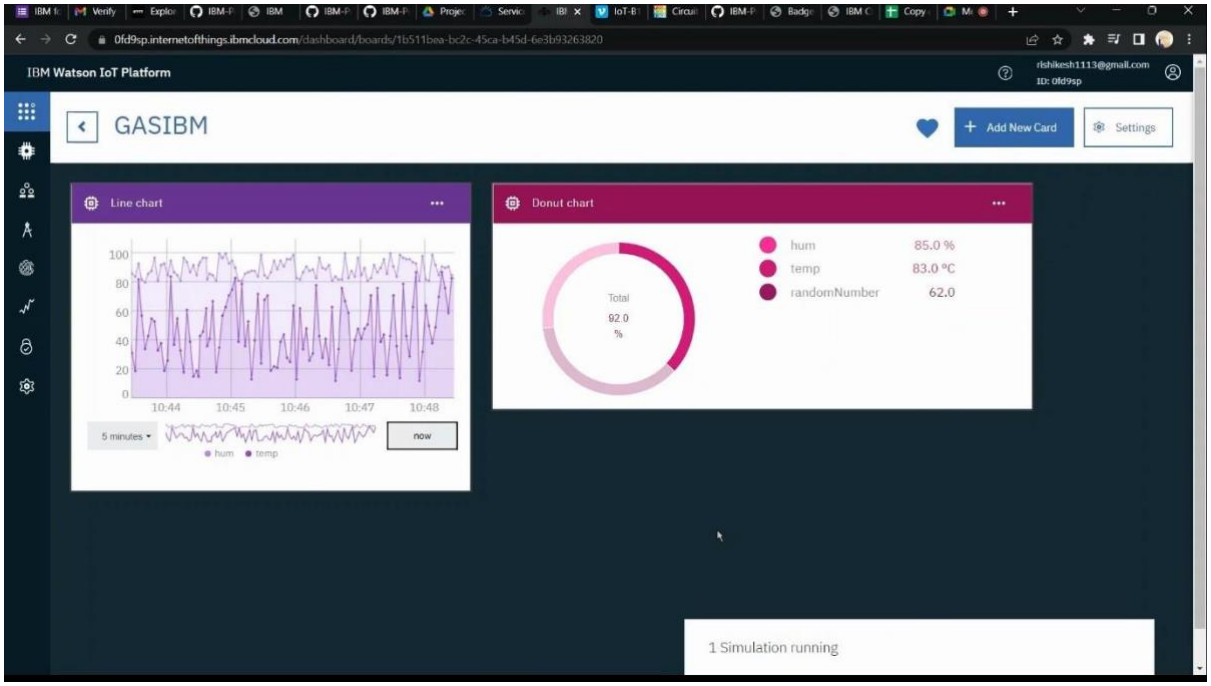
IBM Watson IoT Platform
rishikesh1113@gmail.com
ID: 0fd9sp
GASIBM
Add New Card
Settings
Card source data
1234
Card preview
Card information
Create Line chart Card
Connect data set
hum
temp
Event
pro1
Property
temp
Name
temp
Type
Number
Unit
°C
Min
Max
Back
Next
1 Simulation running


0fd9sp.internetofthings.ibmcloud.com/dashboard/boards/1b511bea-bc2c-45ca-b45d-6e3b93263820
IBM Watson IoT Platform
rishikesh1113@gmail.com
ID: 0fd9sp
GASIBM
Add New Card
Settings
Line chart
100
80
60
40
20
0
10:44
10:45
10:46
10:47
10:48
5 minutes
now
hum
temp
Donut chart
Total
92.0
%
hum 85.0 %
temp 83.0 °C
randomNumber 62.0
1 Simulation running