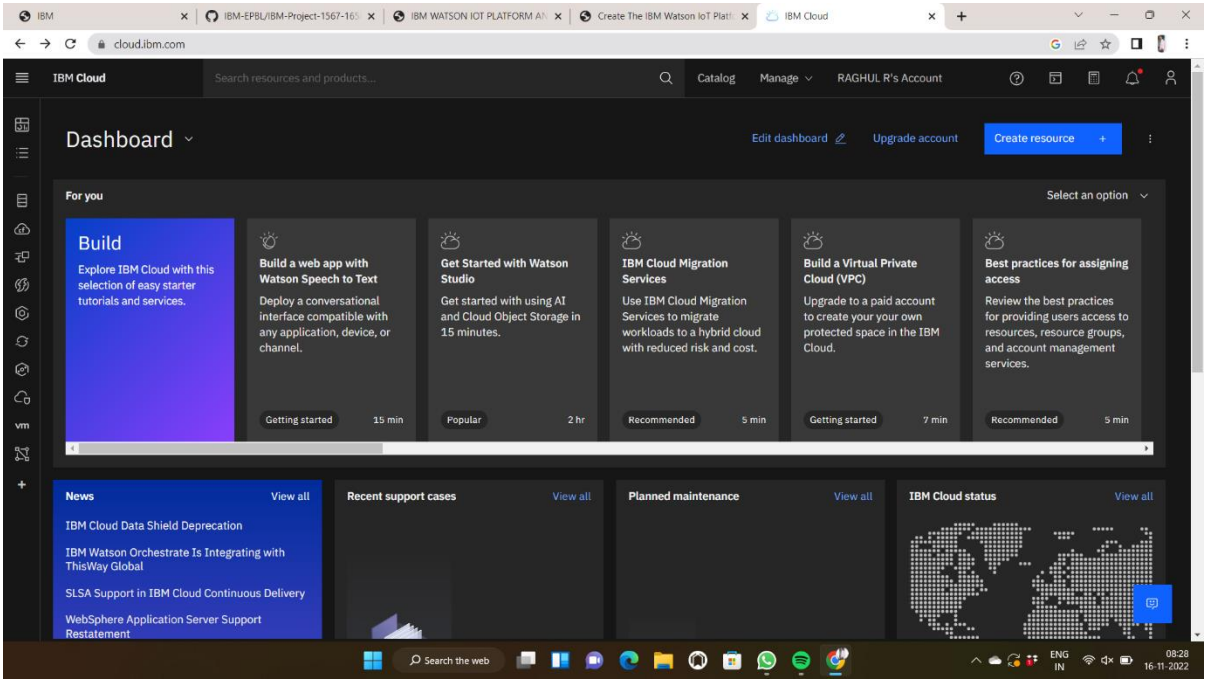
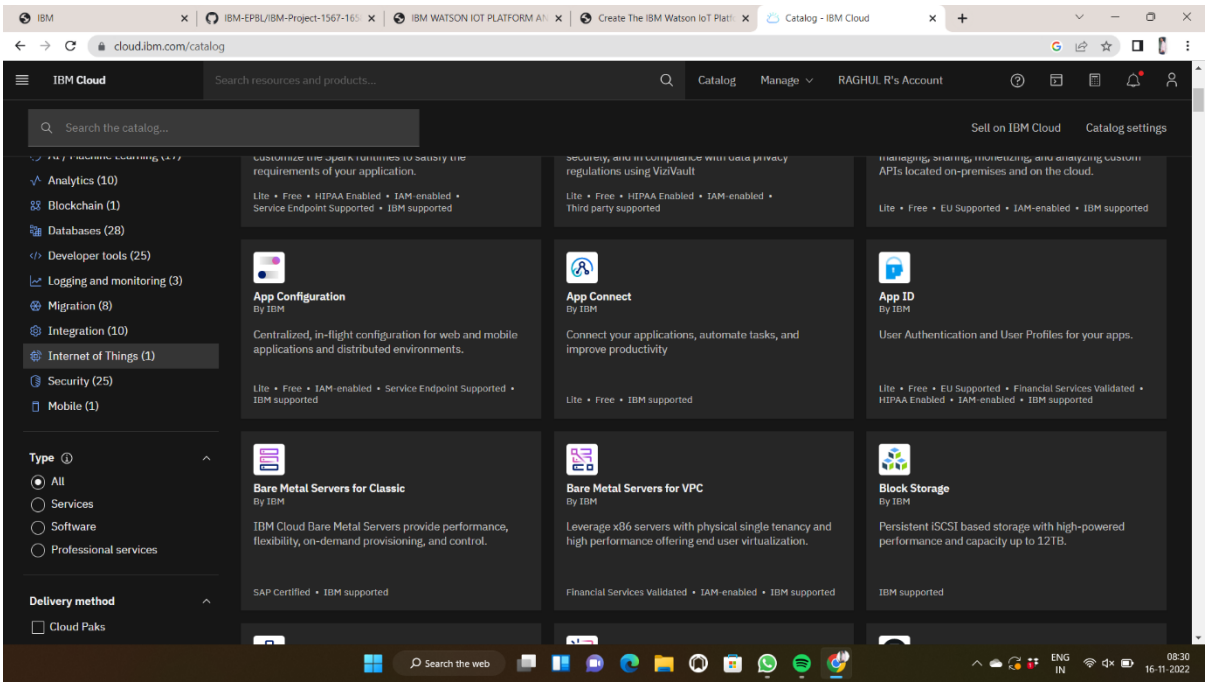
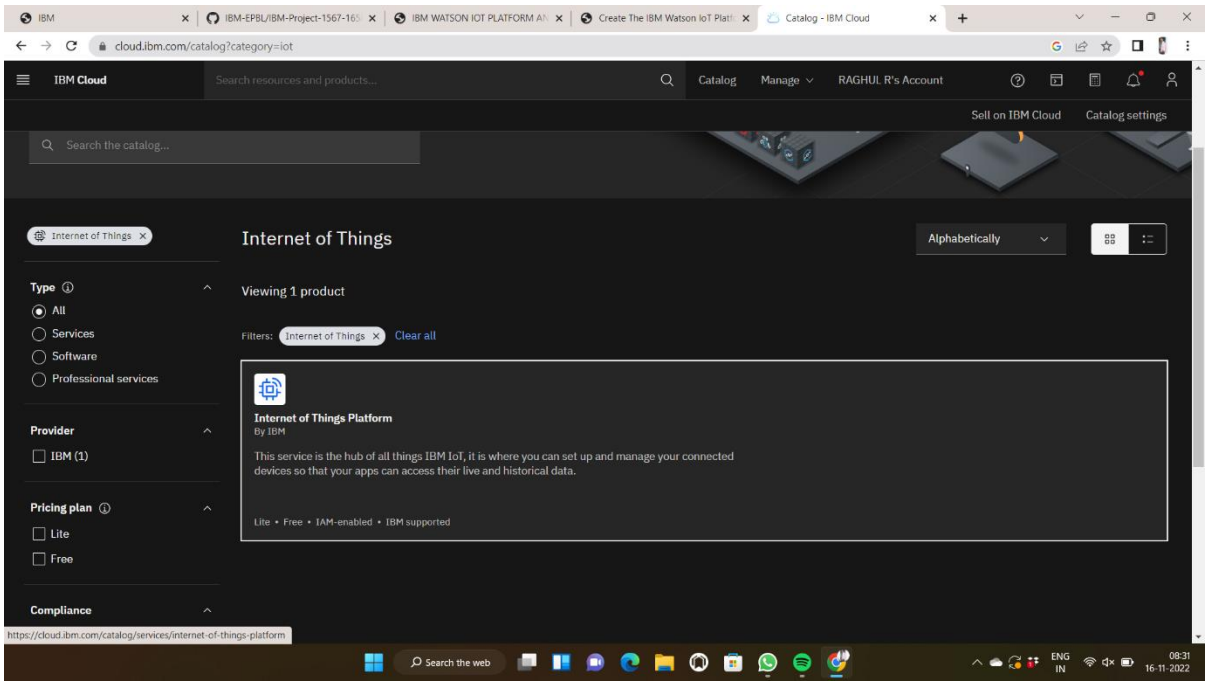
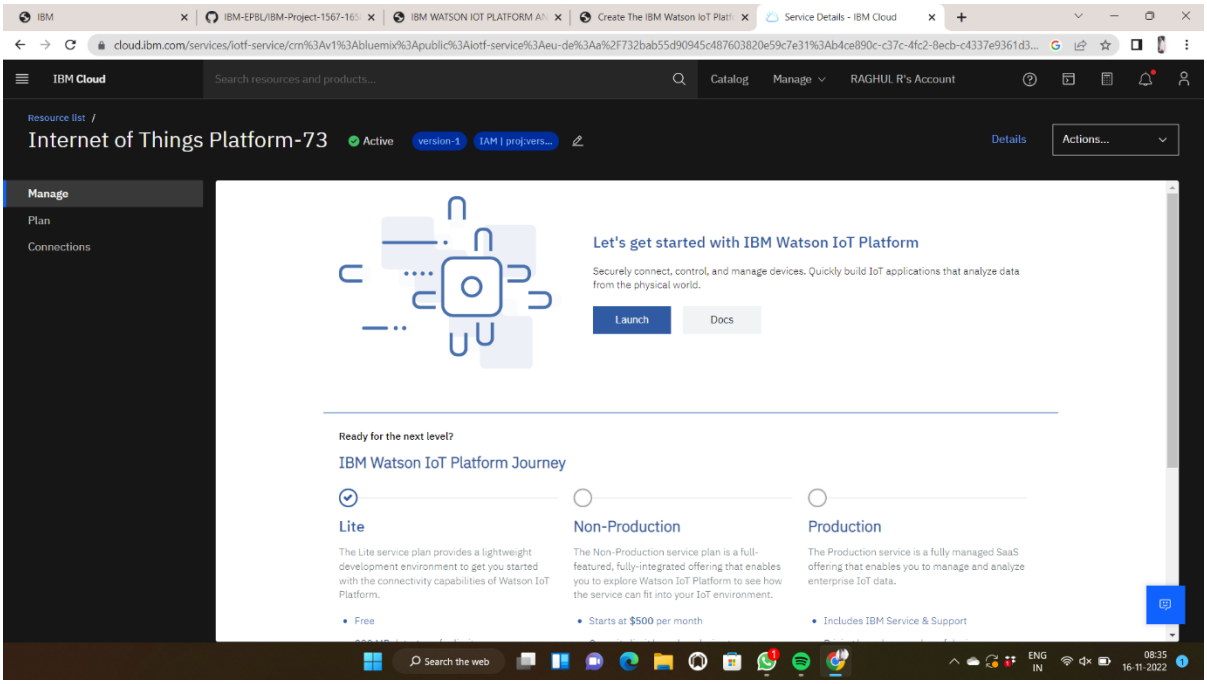
CREATE IBM WATSON IOT PLATFORM AND DEVICE

Date:	16 NOVEMBER 2022
Team ID:	PNT2022TMID02488
Project Name:	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES






IBM
IBM-EPBL/IBM-Project-1567-165
IBM WATSON IOT PLATFORM AN
Create The IBM Watson IoT Platfo
Catalog - IBM Cloud
cloud.ibm.com/catalog?category=iot
IBM Cloud
Search resources and products...
Catalog
Manage
RAGHUL R's Account
Sell on IBM Cloud
Catalog settings
Search the catalog...
Internet of Things
Internet of Things
Alphabetically
Viewing 1 product
Type
All
Services
Software
Professional services
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
Provider
IBM (1)
Pricing plan
Lite
Free
Compliance
https://cloud.ibm.com/catalog/services/internet-of-things-platform
Search the web
ENG
IN
08:31
16-11-2022


IBM
IBM-EPBL/IBM-Project-1567-165
IBM WATSON IOT PLATFORM AN
Create The IBM Watson IoT Platfo
Service Details - IBM Cloud
cloud.ibm.com/services/iotf-service/crn%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2F732bab55d90945c487603820e59c7e31%3Ab4ce890c-c37c-4fc2-8ecb-c4337e9361d3...
IBM Cloud
Search resources and products...
Catalog
Manage
RAGHUL R's Account
Resource list /
Internet of Things Platform-73
Active
version-1
IAM | proj:vers...
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
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
Production
The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.
Includes IBM Service & Support
Search the web
ENG
IN
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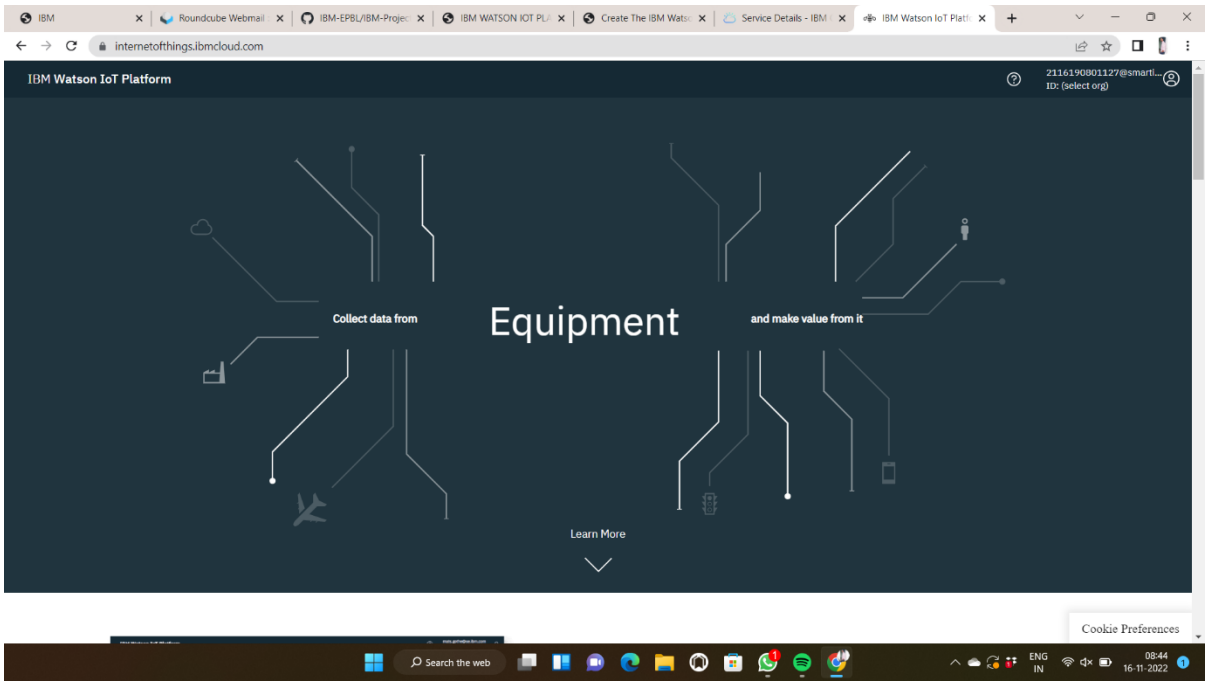
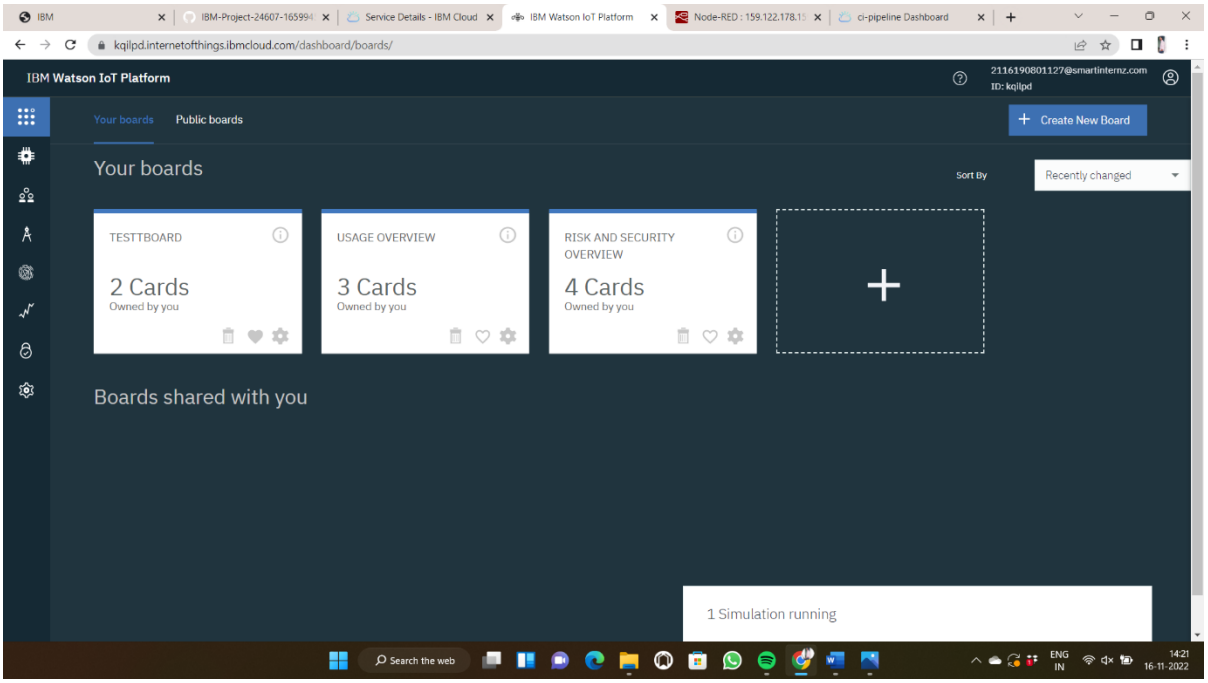
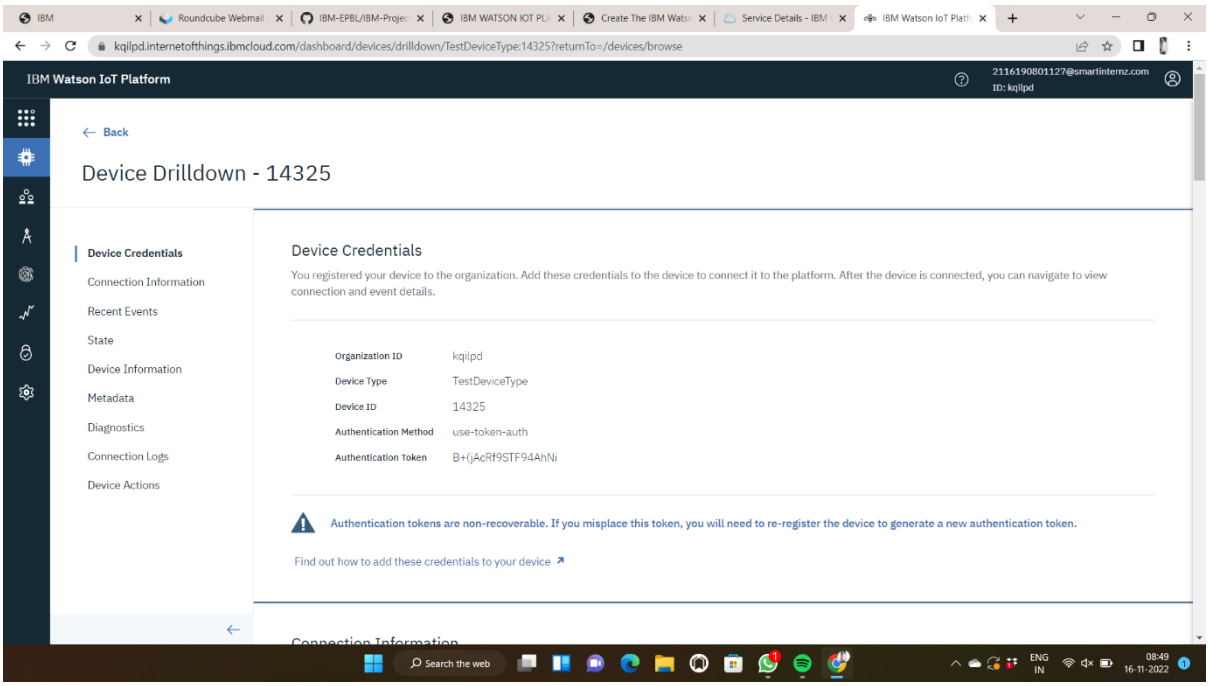
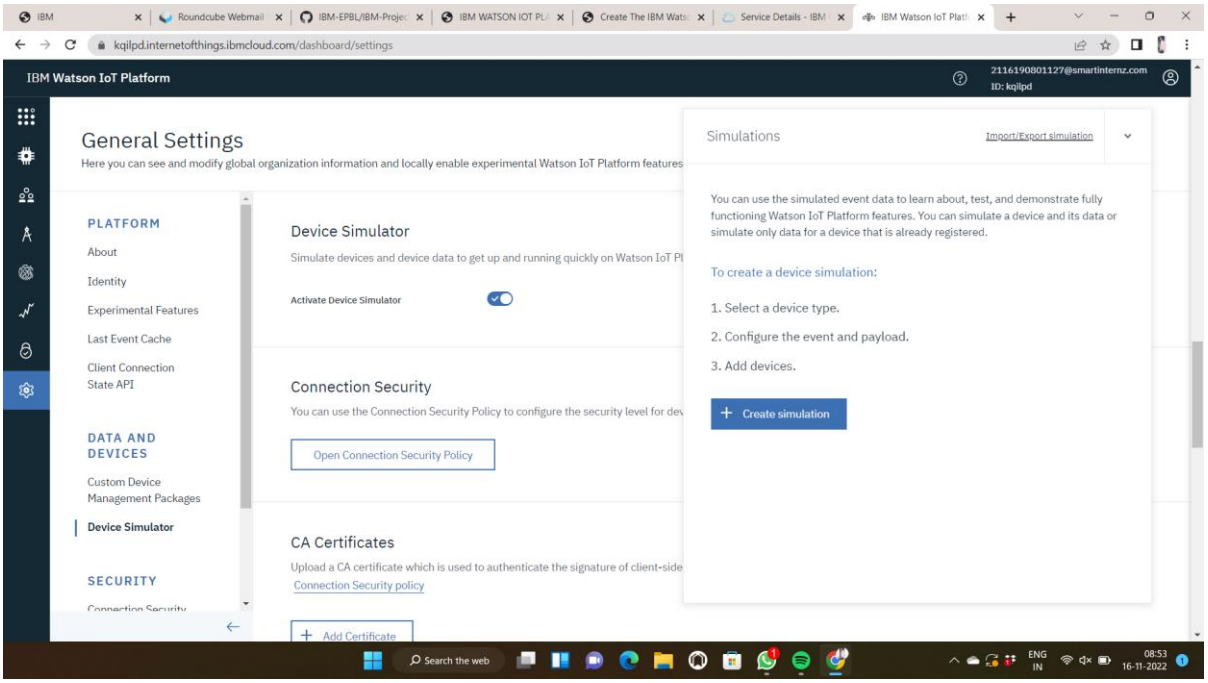
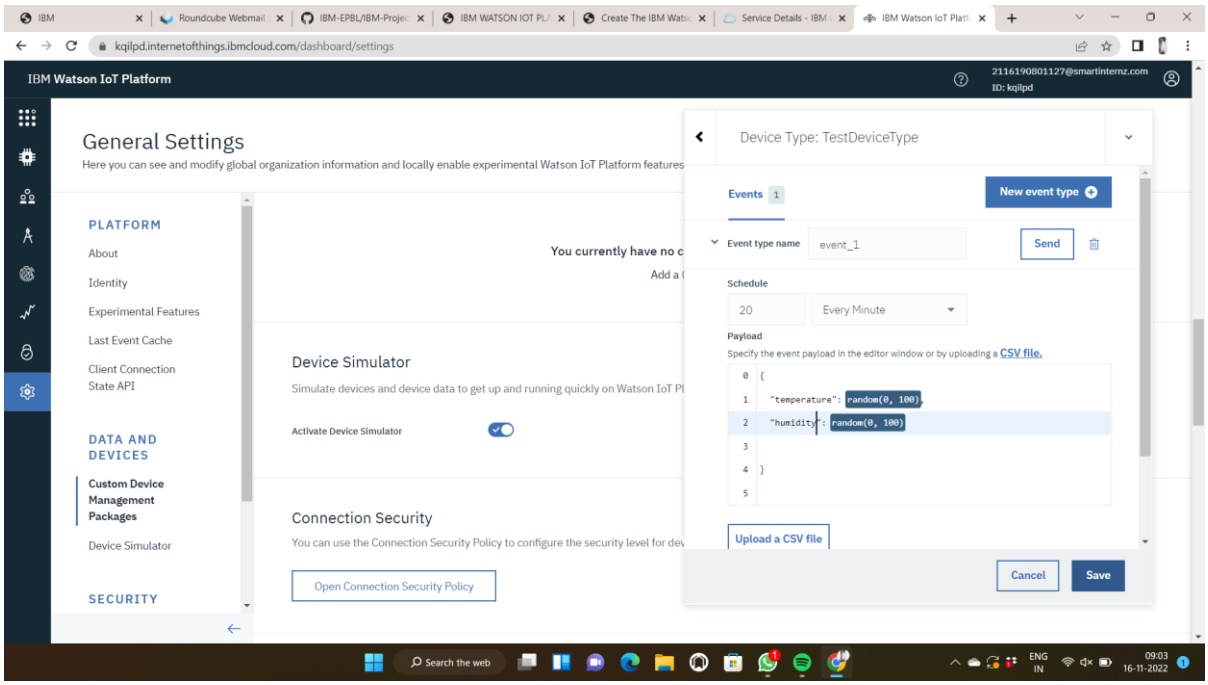
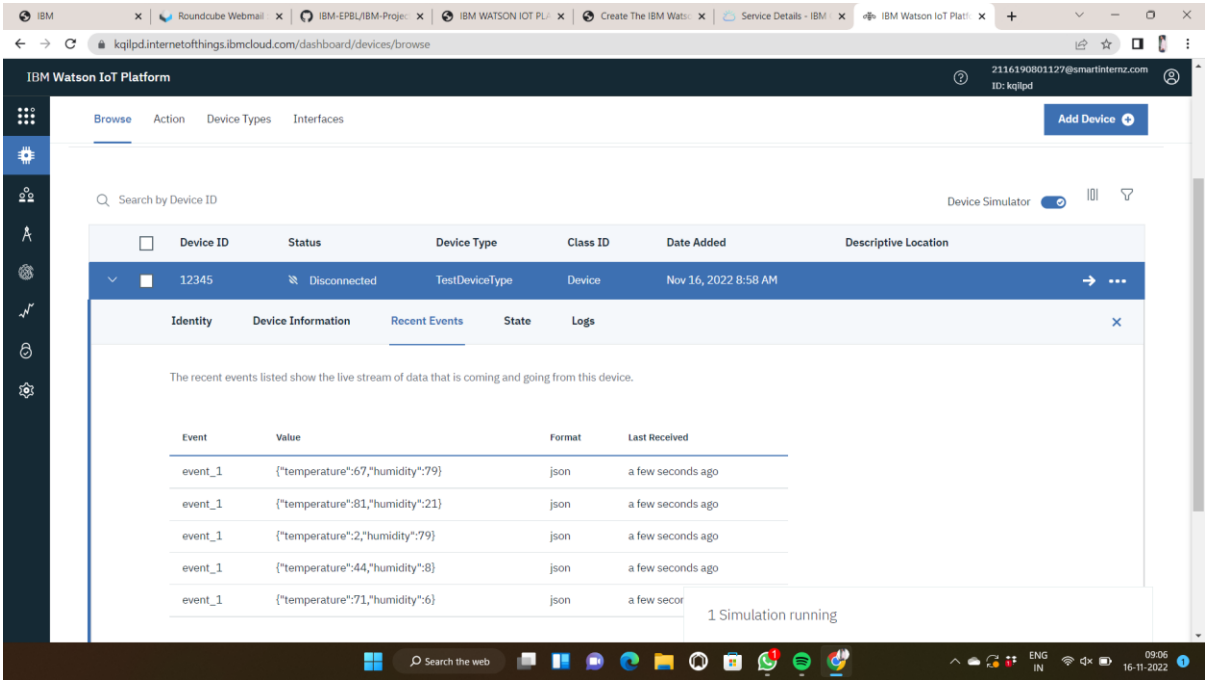

IBM Watson IoT Platform
Collect data from
Equipment
and make value from it
Learn More
Cookie Preferences

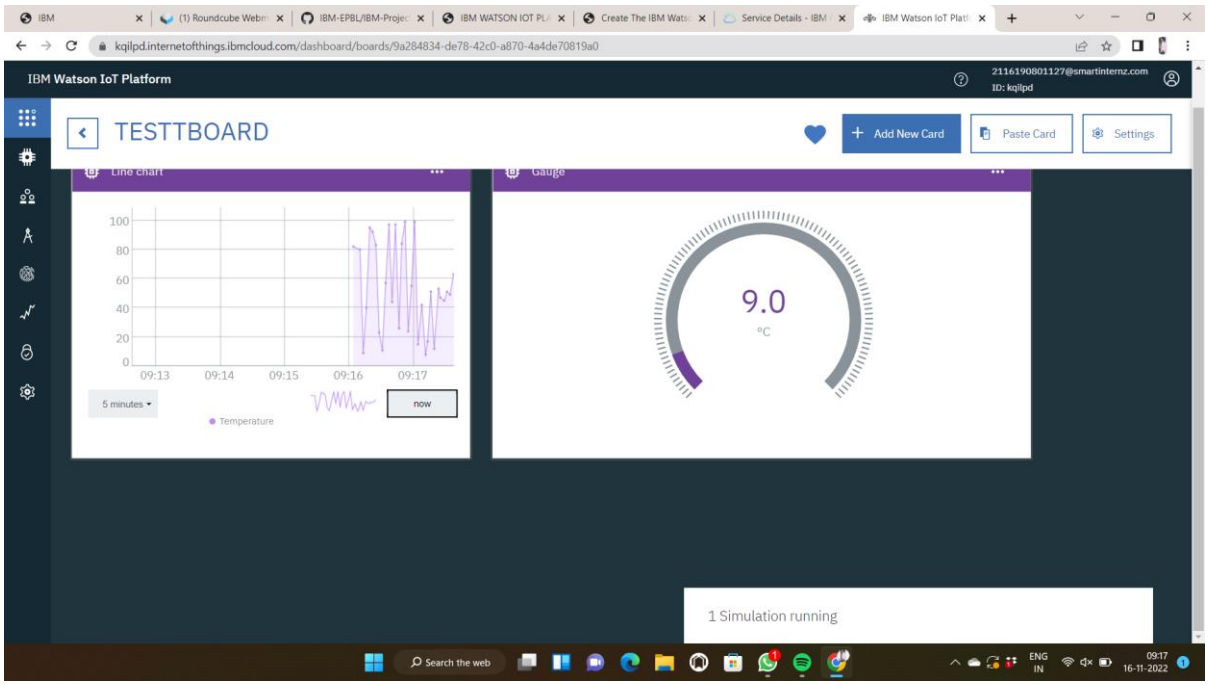

IBM Watson IoT Platform
Your boards
Public boards
Create New Board
Your boards
Sort By
Recently changed
TESTTBOARD
2 Cards
Owned by you
USAGE OVERVIEW
3 Cards
Owned by you
RISK AND SECURITY OVERVIEW
4 Cards
Owned by you
Boards shared with you
1 Simulation running


IBM Watson IoT Platform
2116190801127@smartinternz.com
ID: kqilpd
Back
Device Drilldown - 14325
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 kqilpd
Device Type TestDeviceType
Device ID 14325
Authentication Method use-token-auth
Authentication Token B+(jAcRf9STF94AhNi
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


IBM Watson IoT Platform
2116190801127@smartinternz.com
ID: kqilpd
General Settings
Here you can see and modify global organization information and locally enable experimental Watson IoT Platform features
PLATFORM
About
Identity
Experimental Features
Last Event Cache
Client Connection State API
DATA AND DEVICES
Custom Device Management Packages
Device Simulator
SECURITY
Device Simulator
Simulate devices and device data to get up and running quickly on Watson IoT Pl
Activate Device Simulator
Connection Security
You can use the Connection Security Policy to configure the security level for dev
Open Connection Security Policy
CA Certificates
Upload a CA certificate which is used to authenticate the signature of client-side
Connection Security policy
Add Certificate
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.
Create simulation


IBM Watson IoT Platform
kqilpd.internetofthings.ibmcloud.com/dashboard/settings
General Settings
Here you can see and modify global organization information and locally enable experimental Watson IoT Platform features
PLATFORM
About
Identity
Experimental Features
Last Event Cache
Client Connection State API
DATA AND DEVICES
Custom Device Management Packages
Device Simulator
SECURITY
Device Simulator
Simulate devices and device data to get up and running quickly on Watson IoT Pl
Activate Device Simulator
Connection Security
You can use the Connection Security Policy to configure the security level for dev
Open Connection Security Policy
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


IBM Watson IoT Platform
kqilpd.internetofthings.ibmcloud.com/dashboard/devices/browse
Browse
Action
Device Types
Interfaces
Add Device
Search by Device ID
Device Simulator
Device ID
Status
Device Type
Class ID
Date Added
Descriptive Location
12345
Disconnected
TestDeviceType
Device
Nov 16, 2022 8:58 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":67,"humidity":79}
json
a few seconds ago
event_1
{"temperature":81,"humidity":21}
json
a few seconds ago
event_1
{"temperature":2,"humidity":79}
json
a few seconds ago
event_1
{"temperature":44,"humidity":8}
json
a few seconds ago
event_1
{"temperature":71,"humidity":6}
json
1 Simulation running



Result:

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