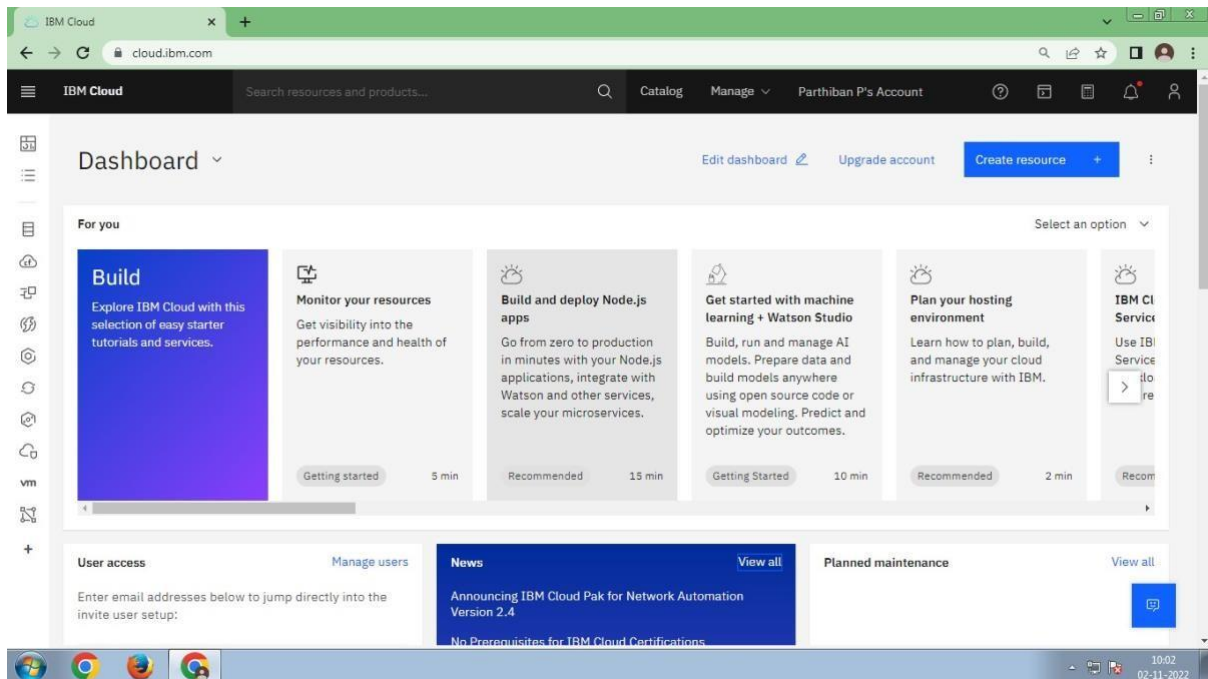
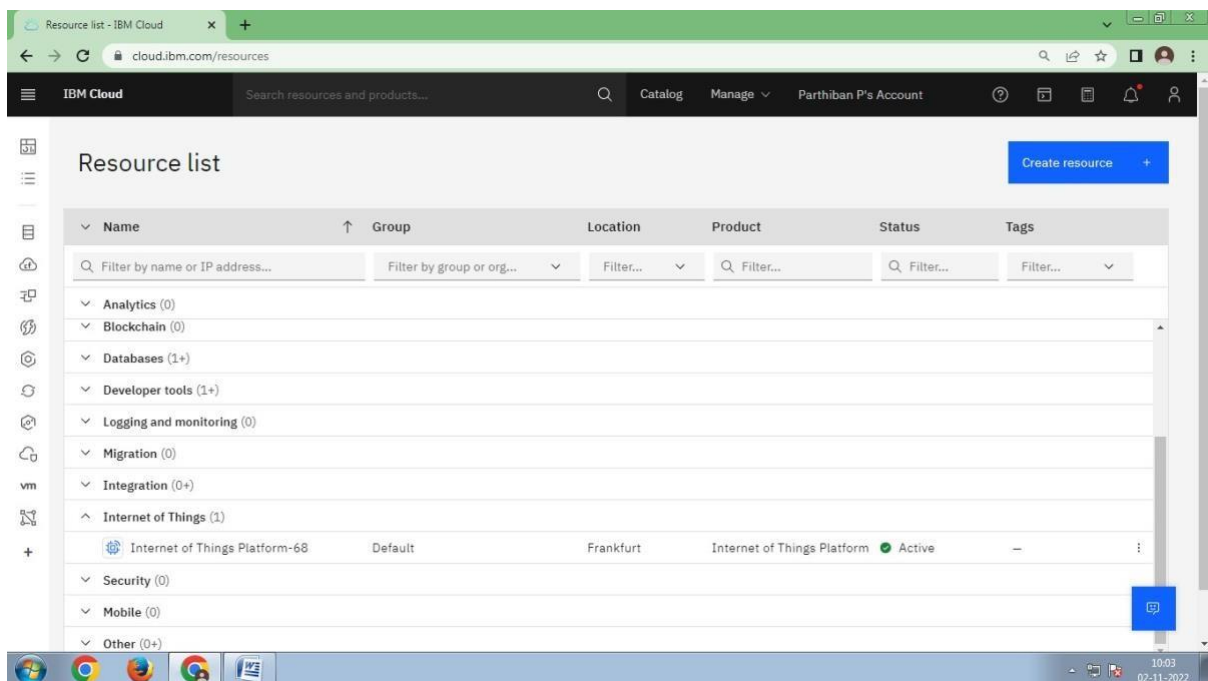


Date:	11 NOVEMBER 2022
Team ID:	PNT2022TMID18989
Project Name:	GAS LEAKAGE MONITORING & ALERTING SYSTEM FOR INDUSTRIES



The screenshot shows the IBM Cloud Dashboard. The top navigation bar includes the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account (Parthiban P's Account). The main content area is titled "Dashboard" and features a "For you" section with several cards: "Build", "Monitor your resources", "Build and deploy Node.js apps", "Get started with machine learning + Watson Studio", "Plan your hosting environment", and "IBM Cloud Service". Below this, there are sections for "User access", "News" (with a link to "Announcing IBM Cloud Pak for Network Automation Version 2.4"), and "Planned maintenance".



The screenshot shows the IBM Cloud Resource list page. The top navigation bar is consistent with the dashboard. The main content area is titled "Resource list" and features a table with columns: Name, Group, Location, Product, Status, and Tags. The table is filtered by "Internet of Things (1)". The only resource listed is "Internet of Things Platform-68", which is in the "Default" group, located in "Frankfurt", and is "Active".

Name	Group	Location	Product	Status	Tags
Internet of Things Platform-68	Default	Frankfurt	Internet of Things Platform	Active	-

Internet of Things

Alphabetically

Type

- All
- Services
- Software
- Professional services

Provider

- IBM (1)

Pricing plan

- Lite
- Free

Viewing 1 product

Filters: Internet of Things Services 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 Details - IBM Cloud

cloud.ibm.com/services/iotf-service/crm%3Av1%3Abluemix%3Apublic%3Aiothf-service%3Aeu-gb%3Aa%2F52078b2d31f64d2b86b5579c06cb5a48%3A07879472-8b...

IBM Cloud Search resources and products... Catalog Manage Parthiban P's Account

Resource list / Internet of Things Platform-xl 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?

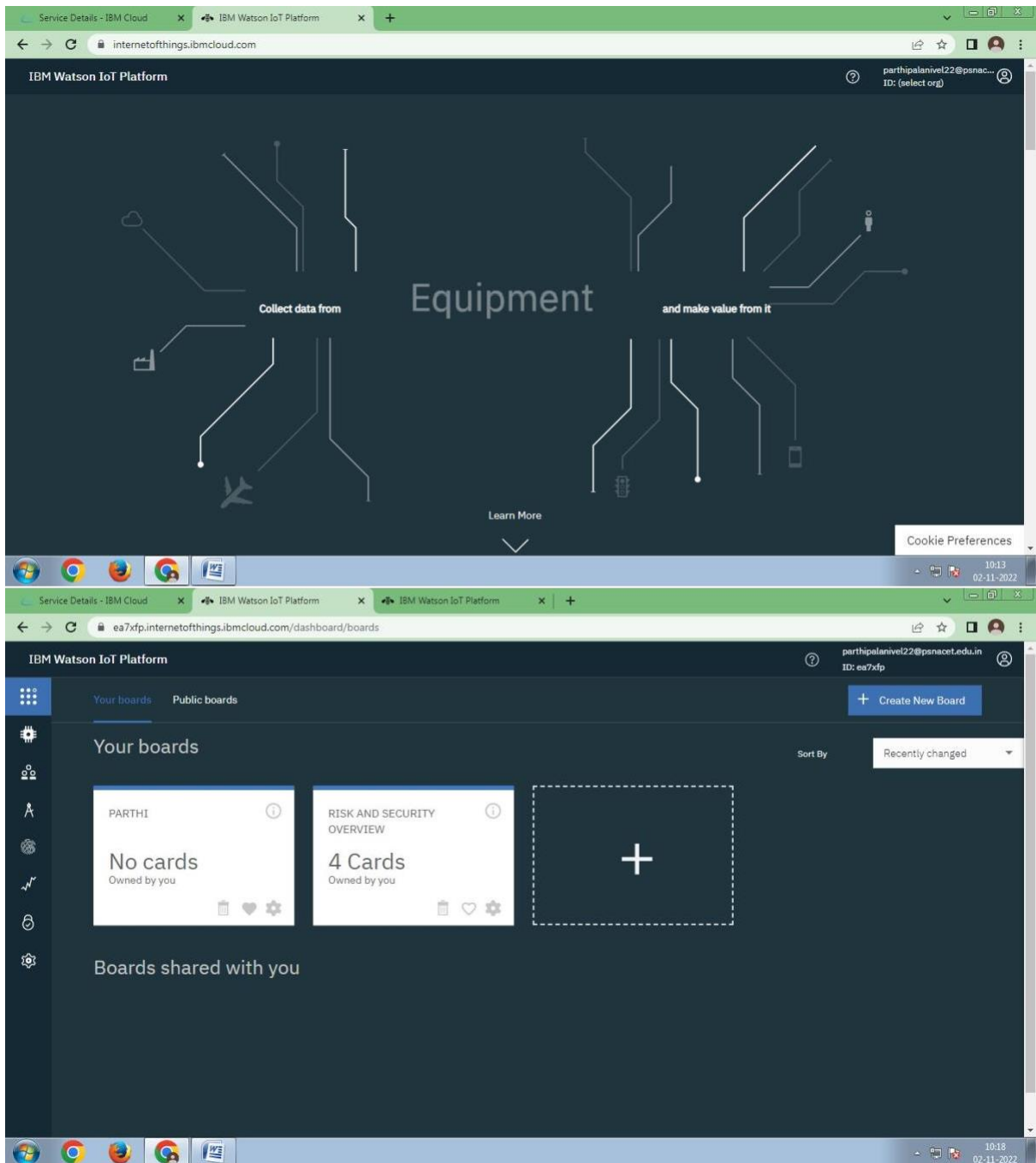
IBM Watson IoT Platform Journey

- ☒ Lite
- ☐ Non-Production
- ☐ Production

The Lite service plan provides a lightweight development environment to get you started

The Non-Production service plan is a full-featured, fully-integrated offering that enables

The Production service is a fully managed SaaS offering that enables you to manage and analyze



Service Details - IBM Cloud x IBM Watson IoT Platform x IBM Watson IoT Platform x +

ea7xtp.internetofthings.ibmcloud.com/dashboard/devices/browse/add

IBM Watson IoT Platform

parthipalanivel22@psnacet.edu.in
ID: ea7xtp

Browse Action Device Types Interfaces

Add Device

Identity Device Information Security Summary

Verify that the following information is correct then select Finish

Device Type
TestDeviceType

Device ID
1234

[View Metadata](#)

Security Token
To be generated

[Back](#) [Finish](#)

Service Details - IBM Cloud x IBM Watson IoT Platform x IBM Watson IoT Platform x +

ea7xtp.internetofthings.ibmcloud.com/dashboard/devices/drilldown/TestDeviceType:1234?returnTo=/devices/browse

IBM Watson IoT Platform

parthipalanivel22@psnacet.edu.in
ID: ea7xtp

[← Back](#)

Device Drilldown - 1234

Device Credentials

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

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	ea7xtp
Device Type	TestDeviceType
Device ID	1234
Authentication Method	use-token-auth
Authentication Token	a181+8uAqrHNKOxb04

⚠ 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](#)

Service Details - IBM Cloud x IBM Watson IoT Platform x IBM Watson IoT Platform x +

ea7xfp.internetofthings.ibmcloud.com/dashboard/devices/drilldown/TestDeviceType:1234?returnTo=/devices/browse

IBM Watson IoT Platform

parthipalanivel22@psnacet.edu.in
ID: ea7xfp

← Back

Device Drilldown - 1234

Device Credentials

Connection Information

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State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

Device ID: 1234

Device Type: TestDeviceType

Date Added: Nov 2, 2022 10:24 AM

Added By: parthipalanivel22@psnacet.edu.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
-------	-------	--------	---------------

Service Details - IBM Cloud x IBM Watson IoT Platform x +

ea7xfp.internetofthings.ibmcloud.com/dashboard/settings

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 ☐

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.

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

Upload a CSV file

Cancel Save

Custom Device Management Packages

Service Details - IBM Cloud

IBM Watson IoT Platform

+

ea7xfp.internetofthings.ibmcloud.com/dashboard/settings

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[documentation.](#)

Activate Client Connection State API

Custom Device Management Packages

Simulations

Import/Export simulation

1/50 Simulations Running

+ New Simulation

Device Type

TestDeviceType

1 Event

1 Device

1234

1 x

Create Simulated Device

Use Registered Device

Service Details - IBM Cloud

IBM Watson IoT Platform

+

ea7xfp.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

parthipelanivel22@psnacet.edu.in

ID: ea7xfp

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

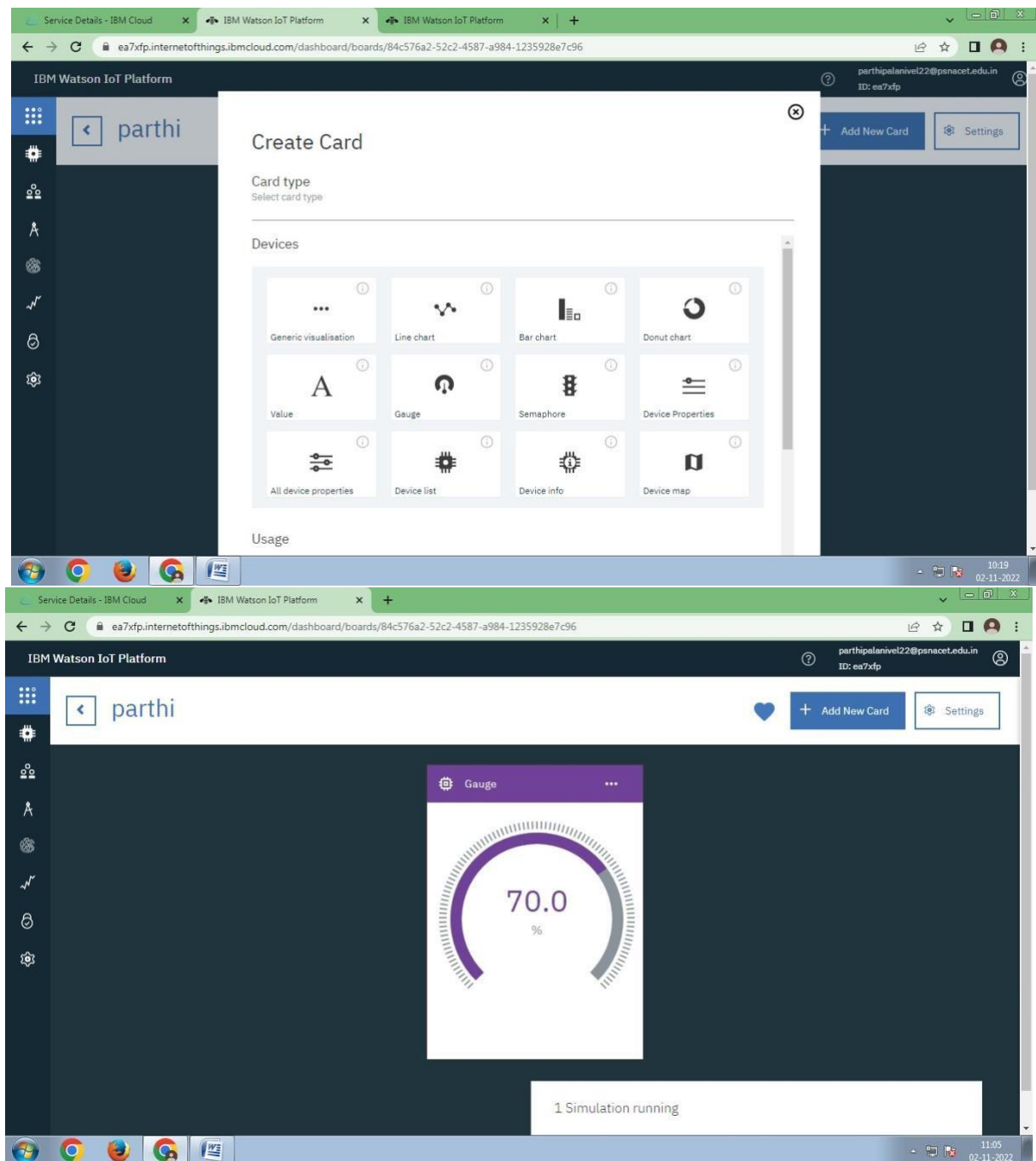
State

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



Result:

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