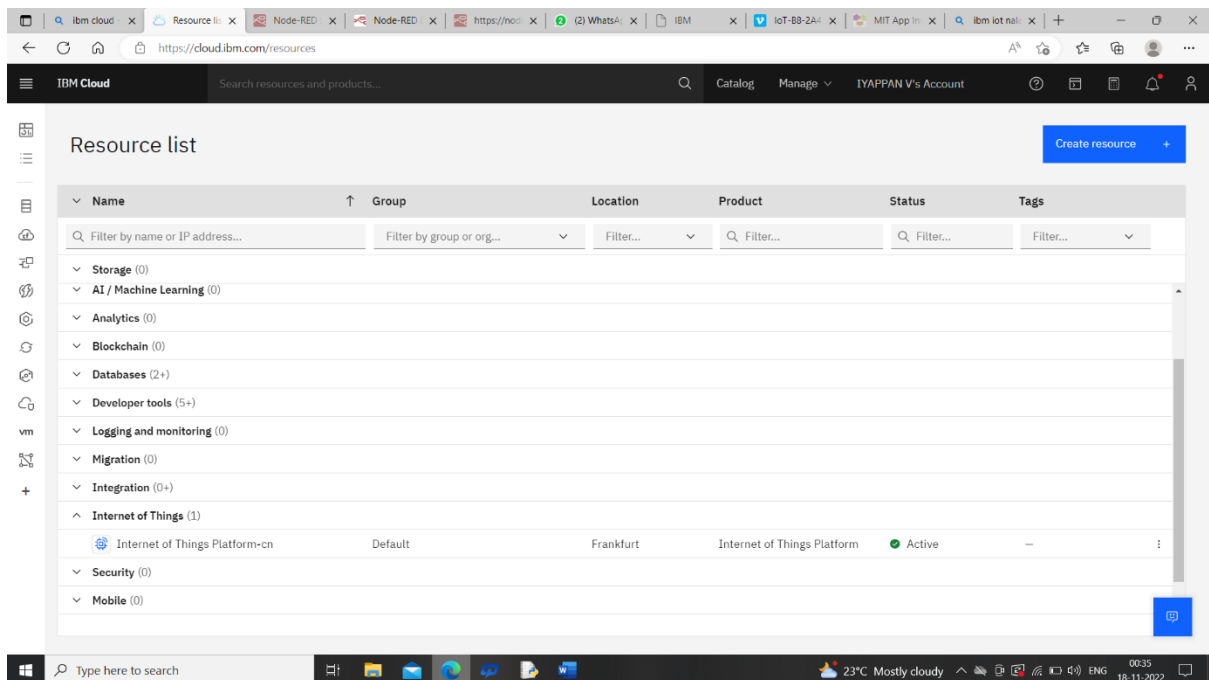


CREATE AND CONFIGURE IBM CLOUD SERVICES

IBM WATSON

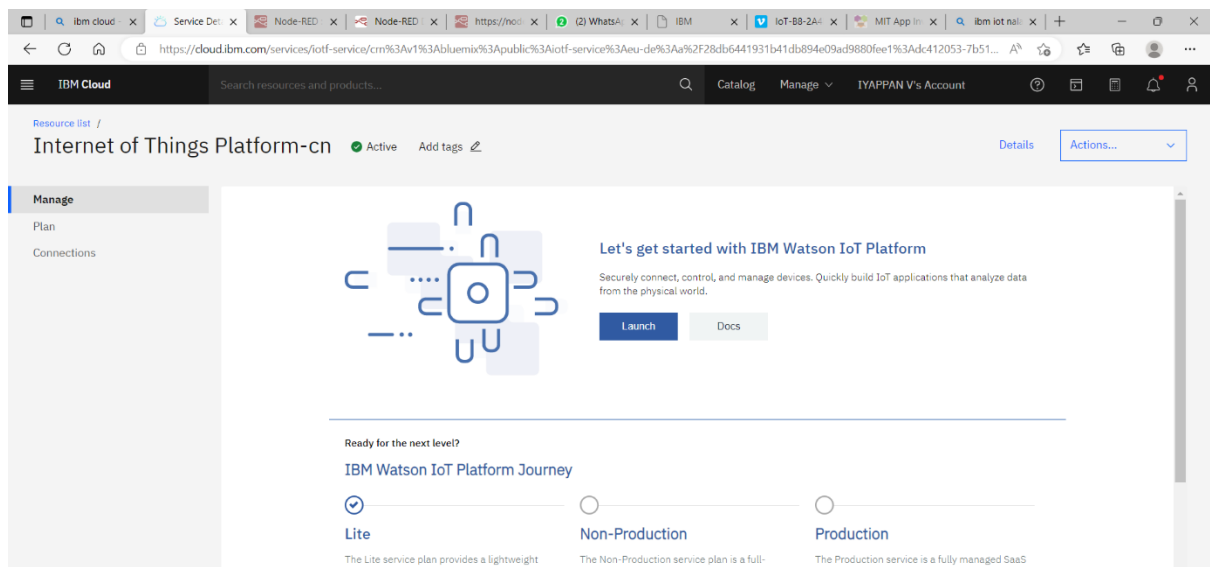
TEAM ID	PNT2022TMID06962
PROJECT NAME	Smart Waste managementsystem for metropolitan cities

IBM WATSON



Resource list

Name	Group	Location	Product	Status	Tags
Filter by name or IP address...	Filter by group or org...	Filter...	Filter...	Filter...	Filter...
Storage (0)					
AI / Machine Learning (0)					
Analytics (0)					
Blockchain (0)					
Databases (2+)					
Developer tools (5+)					
Logging and monitoring (0)					
Migration (0)					
Integration (0+)					
Internet of Things (1)					
Internet of Things Platform-cn	Default	Frankfurt	Internet of Things Platform	Active	-
Security (0)					
Mobile (0)					



Internet of Things Platform-cn Active Add tags

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.

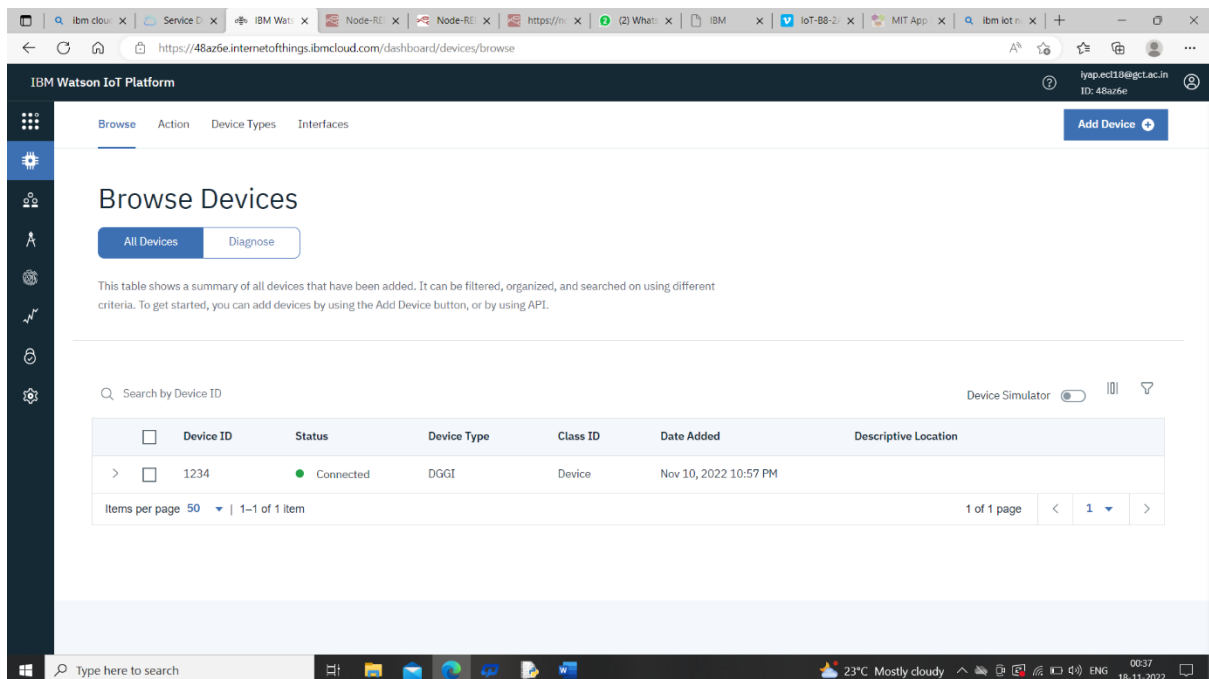
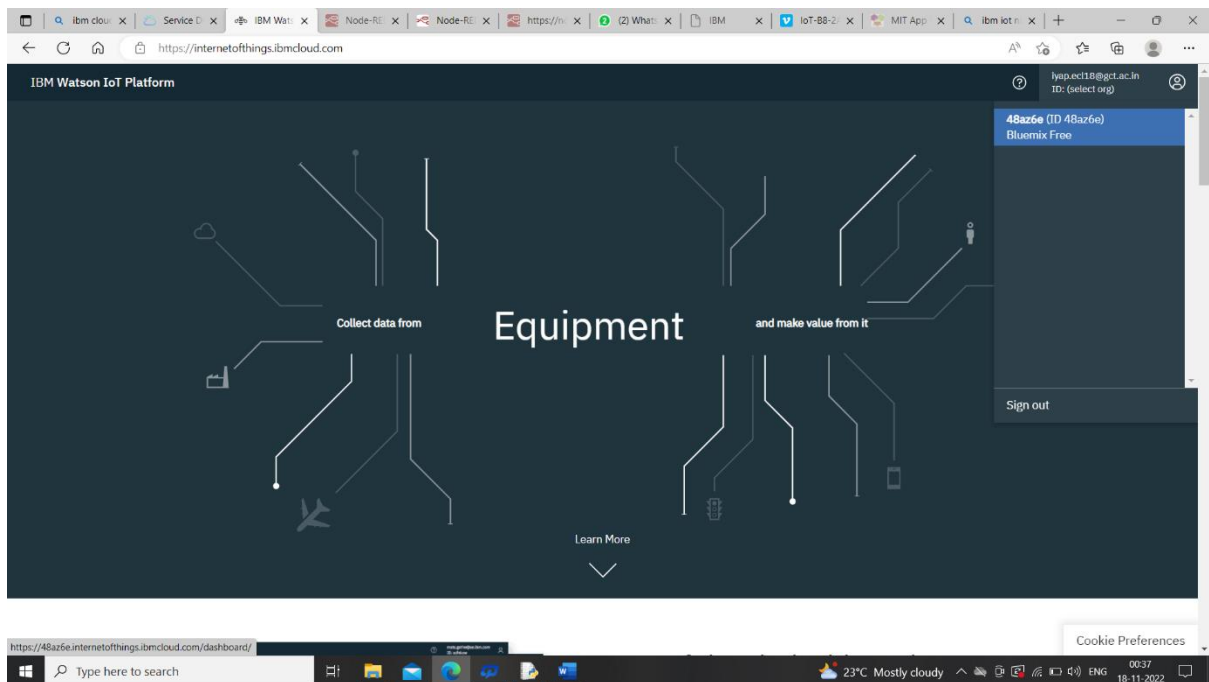
Launch Docs

Ready for the next level?

IBM Watson IoT Platform Journey

Lite Non-Production Production

The Lite service plan provides a lightweight The Non-Production service plan is a full- The Production service is a fully managed SaaS



IBM WATSON RANDOM FUNCTION

CODE

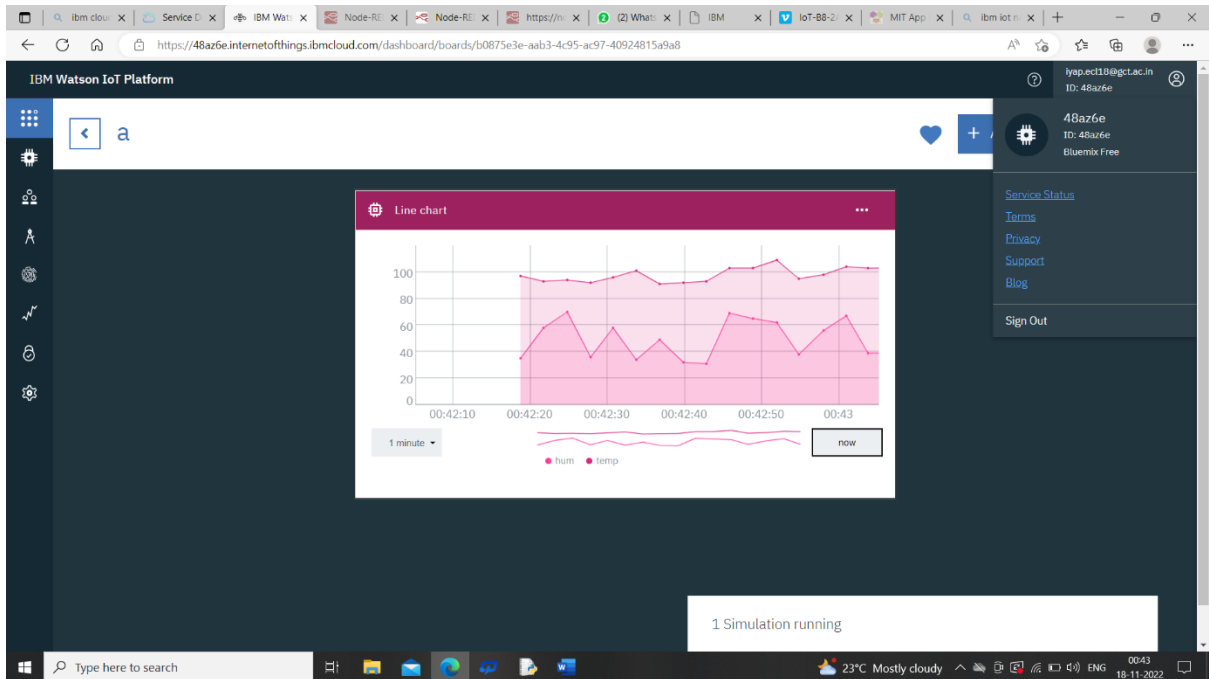
```
{  
  "randomNumber": random(0, 100),  
  "temp": random(90,110),  
  "hum": random(30,70)  
}
```

RANDOM FUNCTION IN IOT WASTON PLATFORM

The screenshot displays the IBM Watson IoT Platform interface. The main page is titled 'Browse Devices' and shows a table with columns: Device ID, Status, Device Type, Class ID, and Date Added. A single device is listed with ID 1234, status 'Connected', and type 'DGGI'. A modal window is open on the right, titled 'Device Type: DGGI'. It contains a 'New event type' button, an 'Event type name' field with the value 'iyappan', and a 'Send' button. Below this is a 'Schedule' section with a dropdown set to 'Every Minute'. The 'Payload' section is active, showing a JSON payload editor with the following content:

```
{  
  "randomNumber": random(0, 100),  
  "temp": random(90, 110),  
  "hum": random(30, 70)  
}
```

At the bottom of the modal, there is an 'Upload a CSV file' button and 'Cancel' and 'Save' buttons. The background interface includes a sidebar with navigation icons and a top navigation bar with tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'.



IBM Watson IoT Platform

Browse Action Device Types Interfaces

Add Device

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
1234	Connected	DGCI	Device	Nov 10, 2022 10:57 PM	

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
iyappan	{"randomNumber":84,"temp":94,"hum":56}	json	a few seconds ago
event	{"weight":94,"level":23}	json	a few seconds ago
iyappan	{"randomNumber":72,"temp":103,"hum":70}	json	a few seconds ago
iyappan	{"randomNumber":89,"temp":90,"hum":60}	json	a few seconds ago

1 Simulation running

Type here to search

23°C Mostly cloudy

00:43 18-11-2022

GENERATE API KEY IN IBM WATSON

IBM Watson IoT Platform

Browse IBM Cloud Apps

[+ Generate API Key](#)

Browse API Keys

Type the app description to search for

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see [API key connection](#).

<input type="checkbox"/>	Key	Description	Role	Expires	
3 results					
<input type="checkbox"/>	a-48az6e-al10jsr4gw	-	Standard Application	-	View API Key
<input type="checkbox"/>	a-48az6e-ee07y9n7rx	API Key for the device simulator	Standard Application	-	View API Key
<input type="checkbox"/>	a-48az6e-qvcloruiqv	API Key for the device simulator	Standard Application	-	View API Key

1 Simulation running

IBM Watson IoT Platform

Browse IBM Cloud Apps

The API key has been added.

Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the API key to generate a new authentication token.

Generated Details

API Key: a-48az6e-m7vaz2pyl2

Authentication Token: gEqLJRQuXP*X118IS

Warning: Make a note of the generated authentication token. Lost authentication tokens cannot be recovered. If you lose the token, you must reregister the API to generate a new token.

API Key Information

Description: -

Role: Visualization Application

Expires: Never

[View API Key](#) [Add Another](#) [Close](#)

Browse API Keys

Type the app description to search for

1 Simulation running