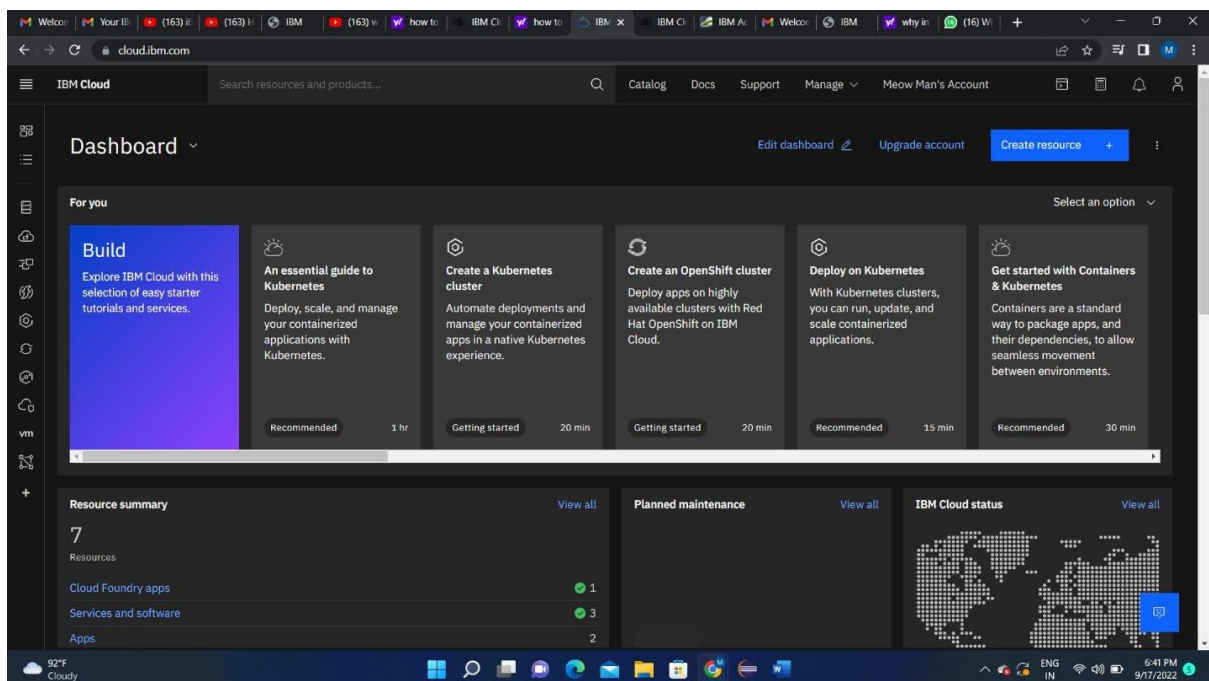
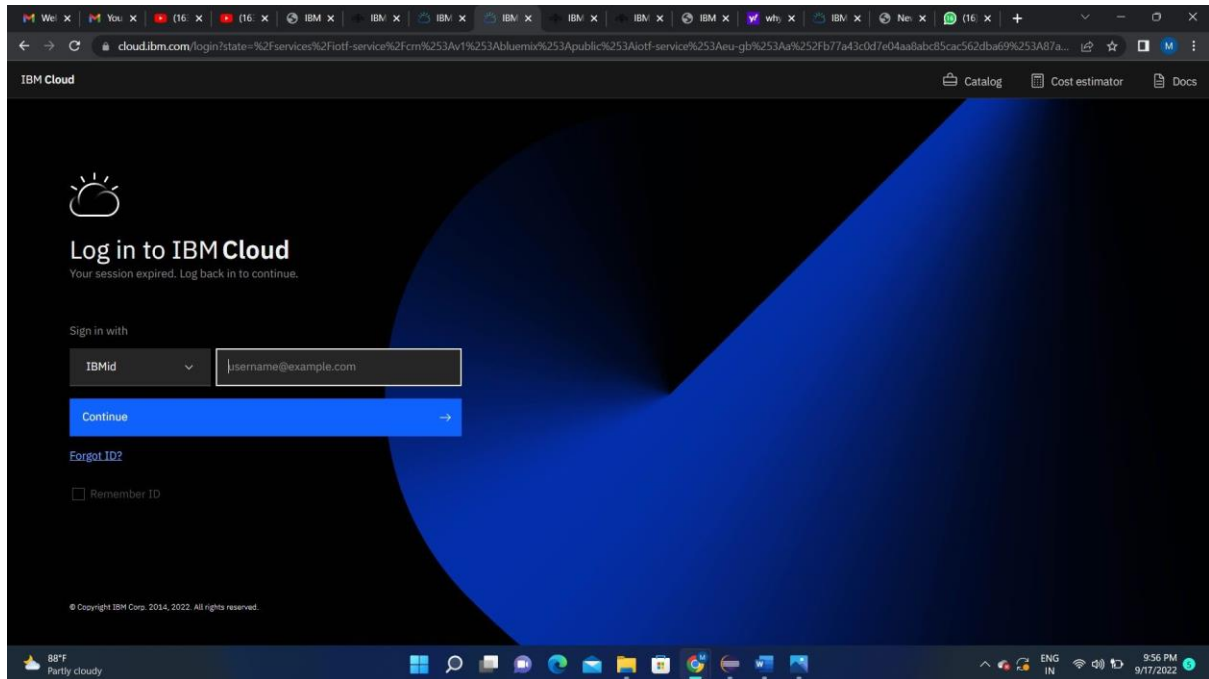


CREATE IBM WATSON IOT PLATFORM AND DEVICE

AIM:

To create the IBM Watson IoT platform and device

STEPS:



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IBM Cloud

Search resources and products...

Search the catalog...

Sell on IBM Cloud Catalog settings

Category

Viewing 129 products

Alphabetically

Recommended products (6)

Compute (18)

Containers (5)

Networking (25)

Storage (13)

AI / Machine Learning (14)

Analytics (6)

Blockchain (1)

Databases (25)

Developer tools (7)

Logging and monitoring (3)

Migration (4)

Integration (8)

Internet of Things (1)

Security (10)

Type

All

Filters: Services Clear all

Analytics Engine
By IBM

Submit your Apache Spark applications as needed and customize the Spark runtimes to satisfy the requirements of your application.

Lite • Free • HIPAA Enabled • IAM-enabled • Service Endpoint Supported • IBM supported

AnonTech ViziVault Platform
By Anon Technology, Inc.

Manage personal information as-a-service safely, securely, and in compliance with data privacy regulations using ViziVault

Lite • Free • HIPAA Enabled • IAM-enabled • Third party supported

API Connect
By IBM

An enterprise-grade platform for creating, securing, managing, sharing, monetizing, and analyzing custom APIs located on-premises and on the cloud.

Lite • Free • EU Supported • IAM-enabled • IBM supported

App Configuration
By IBM

Centralized, in-flight configuration for web and mobile applications and distributed environments.

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App Connect
By IBM

Connect your applications, automate tasks, and improve productivity

Lite • Free • IBM supported

App ID
By IBM

User Authentication and User Profiles for your apps.

Lite • Free • EU Supported • Financial Services Validated • HIPAA Enabled • IAM-enabled • IBM supported

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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

Updated on 08/15/2022

Category Internet of Things

Compliance IAM-enabled

Location Frankfurt London Dallas Washington DC

Related links Docs Terms

Select a location

Dallas (us-south)

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.

Summary

Internet of Things Platform Free

Location: Dallas

Plan: Lite

Service name: Internet of Things Platform-bb

Resource group: Default

Existing Lite plan instance

You can have only 1 Lite plan instance of this service per resource group. [Delete](#) your current Lite plan instance in Default resource group to create a new one, or [view the existing instance](#).

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Internet of Things

Compliance

IAM-enabled

Location

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London

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Related links

Docs

Terms

Plan	Features	Pricing
Lite	<p>Includes up to 500 registered devices, and a maximum of 200 MB of each data metric</p> <p>Maximum of 500 registered devices</p> <p>Maximum of 500 application bindings</p> <p>Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed</p>	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.

Configure your resource

Service name

Internet of Things Platform-bb

Tags

Examples: env:dev, version-1

Select a resource group

Default

Access management tags

Examples: access:dev, proj:version-1

Summary

Internet of Things Platform

Free

Location: London

Plan: Lite

Service name: Internet of Things Platform-bb

Resource group: Default

Existing Lite plan instance

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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

Updated on

08/15/2022

Category

Internet of Things

Compliance

IAM-enabled

Location

Frankfurt

London

Dallas

Washington DC

Related links

Docs

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Select a location

Dallas (us-south)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Lite	<p>Includes up to 500 registered devices, and a maximum of 200 MB of each data metric</p> <p>Maximum of 500 registered devices</p> <p>Maximum of 500 application bindings</p> <p>Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed</p>	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.

Summary

Internet of Things Platform

Free

Location: Dallas

Plan: Lite

Service name: Internet of Things Platform-2w

Resource group: Default

Existing Lite plan instance

You can have only 1 Lite plan instance of this service per resource group. Delete your current Lite plan instance in Default resource group to create a new one, or view the existing instance.

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Internet of Things

ComplianceIAM-enabled

LocationFrankfurtLondonDallasWashington DC

Related linksDocsTerms

Plan	Features	Pricing
Lite	<p>Includes up to 500 registered devices, and a maximum of 200 MB of each data metric</p> <p>Maximum of 500 registered devices</p> <p>Maximum of 500 application bindings</p> <p>Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed</p>	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.

Configure your resource

Service nameInternet of Things Platform-child_safety

TagsExamples: env:dev, version-1

Select a resource groupDefault

Access management tagsExamples: access:dev, proj:version-1

Summary

Internet of Things PlatformFree

Location: London

Plan: Lite

Service name: Internet of Things Platform-child_safety

Resource group: Default

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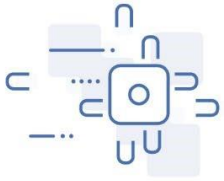
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Resource list / Internet of Things Platform-child_safety Active Add tags Details Actions...

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

○ 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

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Resource list / Internet of Things Platform-child_safety Active Add tags Details Actions...

Manage Plan Connections

Current plan

Lite

Features

- 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

Current usage

N/A

Lite plan services are deleted after 30 days of inactivity.

Change pricing plan

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

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IBM Watson IoT Platform

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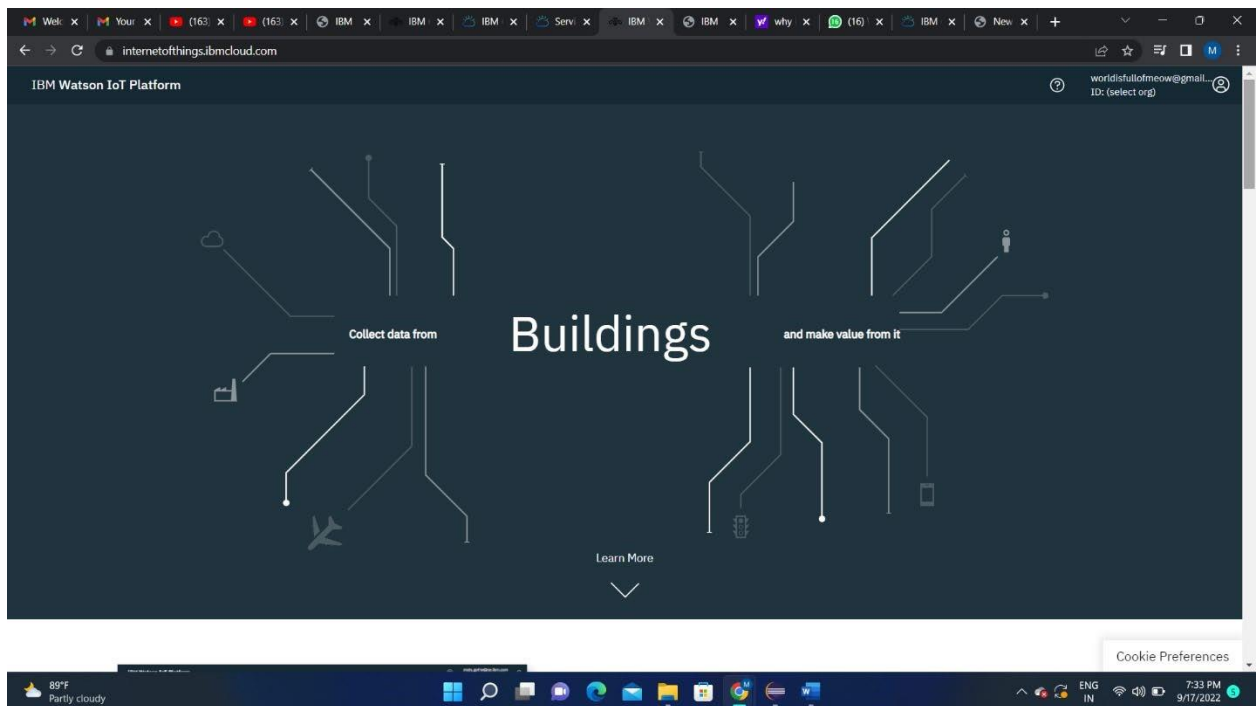
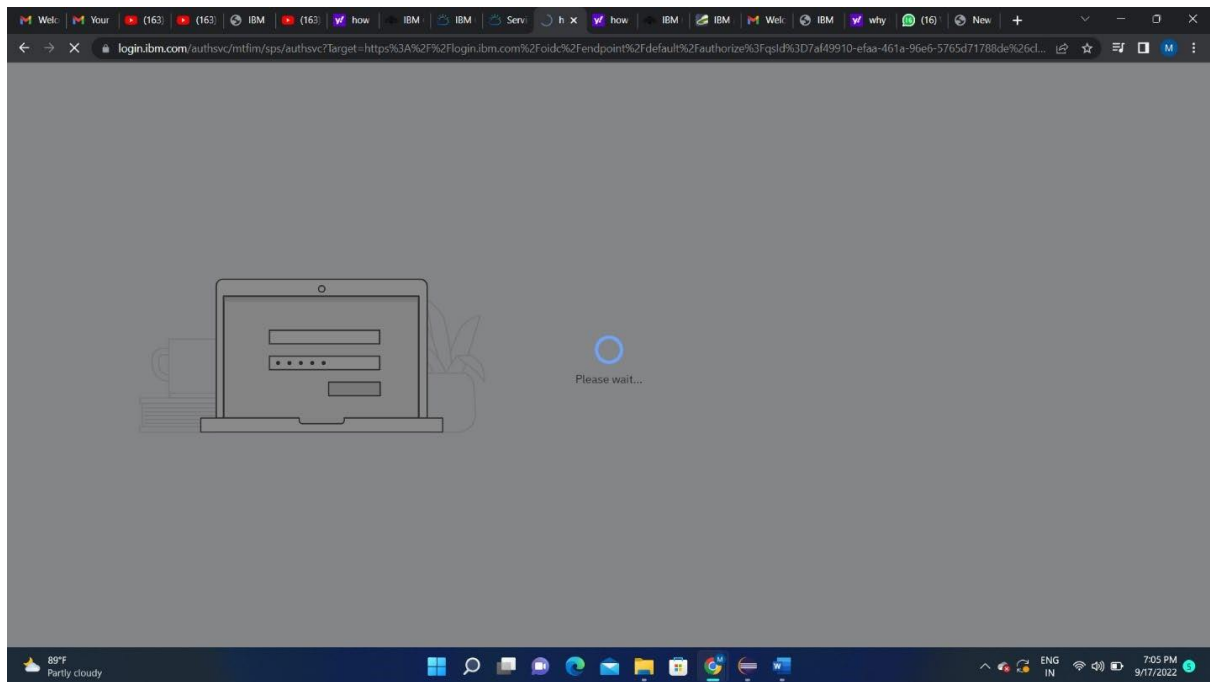
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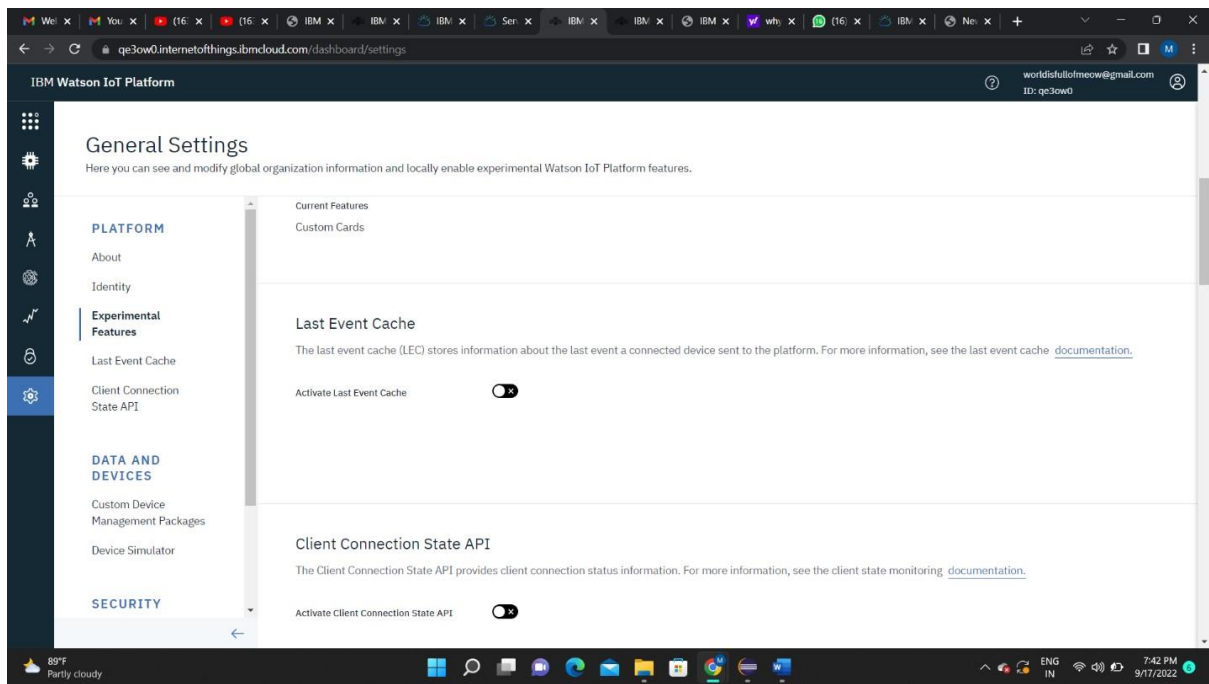
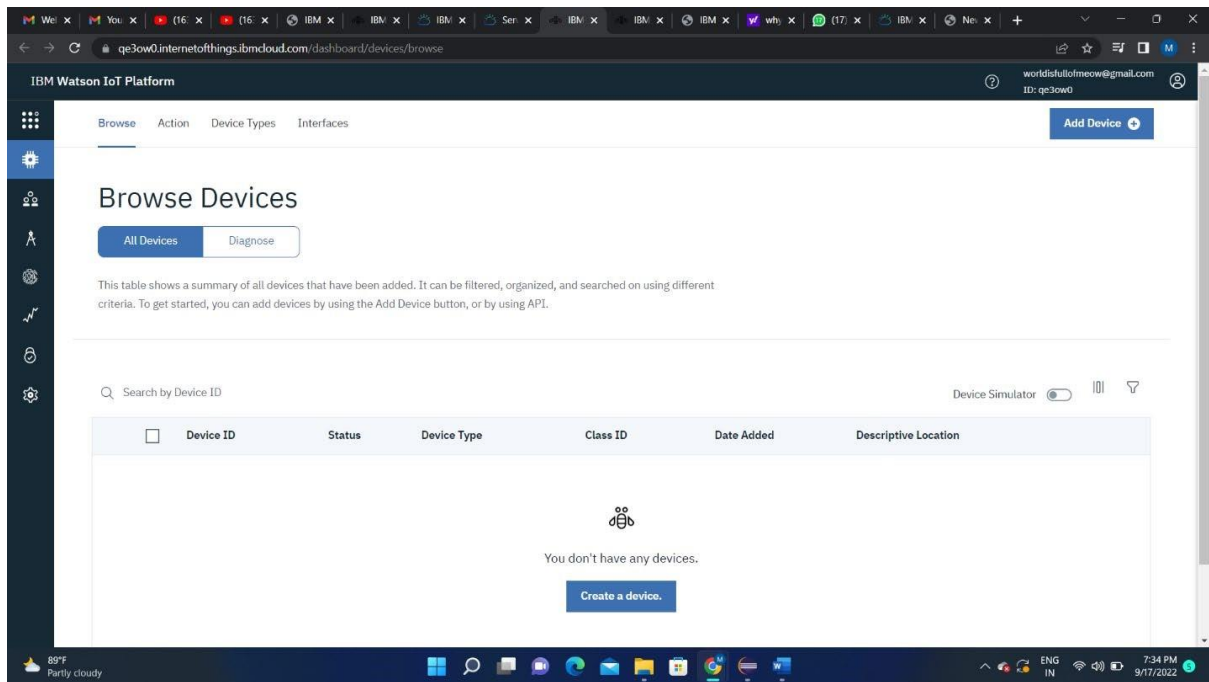
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IBM Watson IoT Platform

worldistfulofmeow@gmail.com
ID: qe3ow0

Policies

You can configure policies to enhance connection security and control access to the server from devices.

Connection Security
Configure the security level for device connection.

Blacklist
Block access from specific IP addresses. Activating a blacklist disables an active whitelist. Disabled

Whitelist
Allow access from specific IP addresses. Activating a whitelist disables an active blacklist. Disabled

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IBM Watson IoT Platform

worldistfulofmeow@gmail.com
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Overview

Usage metrics show how much your devices and applications use Watson IoT Platform. You can view a summary of the total usage for this month and the previous month, and details of data transferred during different time periods. The metrics are refreshed every 2 hours.

Usage Summary

THIS MONTH 0 bytes Data transferred inbound and outbound	
PREVIOUS MONTH 0 bytes Data transferred inbound and outbound	

Data Transferred

Date Period (months)

1 3 6 Max from 16/09/2022 to 17/09/2022

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IBM Watson IoT Platform

worldisfullofmeow@gmail.com
ID: qe3ow0

Browse

+ Add Members

Browse Members

This table shows a summary of the members of the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add members by clicking Add Members, or by using the API. For more information about members, see [Managing user access](#).

Type the member email to search for

Email Address	Name	Role	Added By	Expires	
1 result					
worldisfullofmeow@gmail.com	worldisfullofmeow@gmail.com	Administrator	-	-	

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worldisfullofmeow@gmail.com
ID: qe3ow0

Browse IBM Cloud Apps


+ Generate API Key

Browse API Keys

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](#).

Type the app description to search for

Key	Description	Role	Expires	
0 results				



There are no API Keys

Generate API Key

IBM Watson IoT Platform

worldstulofmeow@gmail.com
ID: qe3ow0

Boards | Devices | Device Types | Interfaces

Devices

Members

Apps

Access Management

Usage

Security

Settings

Diagnose

Summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. Once you have started, you can add devices by using the Add Device button, or by using API.

Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
-----------	--------	-------------	----------	------------	----------------------

You don't have any devices.

Create a device.

IBM Watson IoT Platform

worldstulofmeow@gmail.com
ID: qe3ow0

Browse | Action | Device Types | Interfaces

Add Device

Identity | Device Information | Security | Summary

Select a device type for the device that you are adding and give the device a unique ID.

Device Type: Select or create a device type...

Device ID: Enter Device ID

Cancel Next

Browse Devices

All Devices Diagnose

IBM Watson IoT Platform

worldisfullofmeow@gmail.com
ID: qe3ow0

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	<input type="text" value="Enter Serial Number"/>	Manufacturer	<input type="text" value="Enter Manufacturer"/>
Model	<input type="text" value="Enter Model"/>	Device Class	<input type="text" value="Enter Device Class"/>
Description	<input type="text" value="Enter Description"/>	Firmware Version	<input type="text" value="Enter Firmware Version"/>
Hardware Version	<input type="text" value="Enter Hardware Version"/>	Descriptive Location	<input type="text" value="Enter Descriptive Location"/>

IBM Watson IoT Platform

worldisfullofmeow@gmail.com
ID: qe3ow0

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 alphanumeric characters and symbols. The token is returned to you at the end of the device registration process.

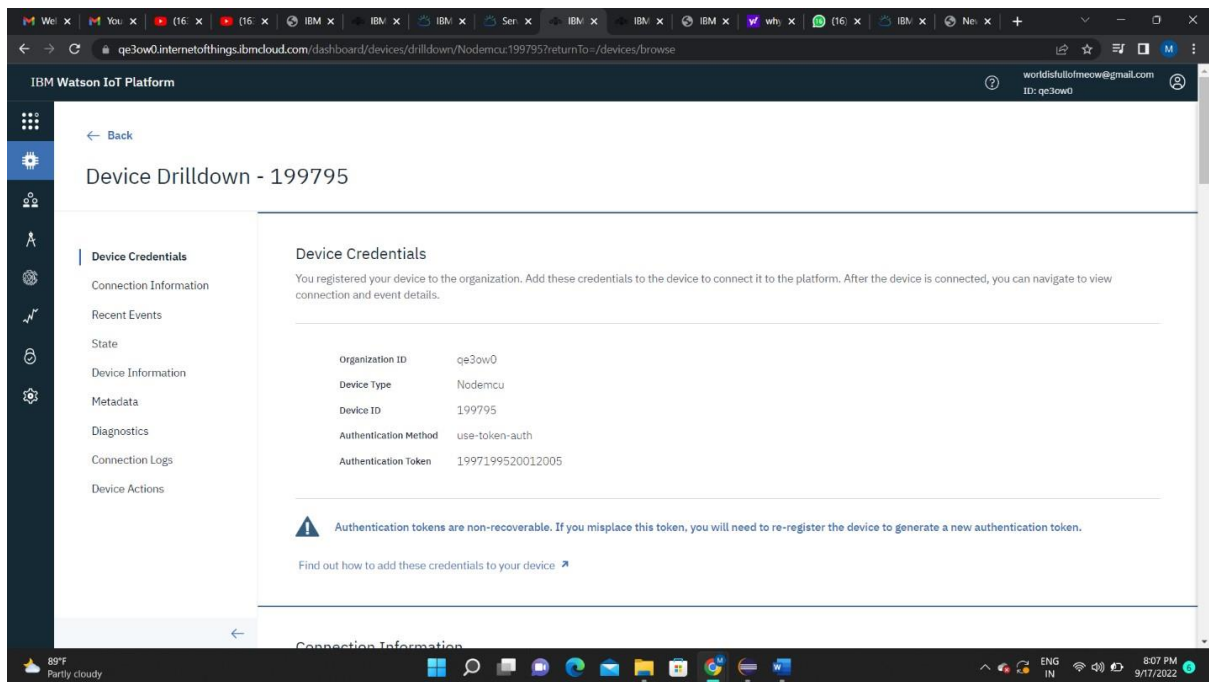
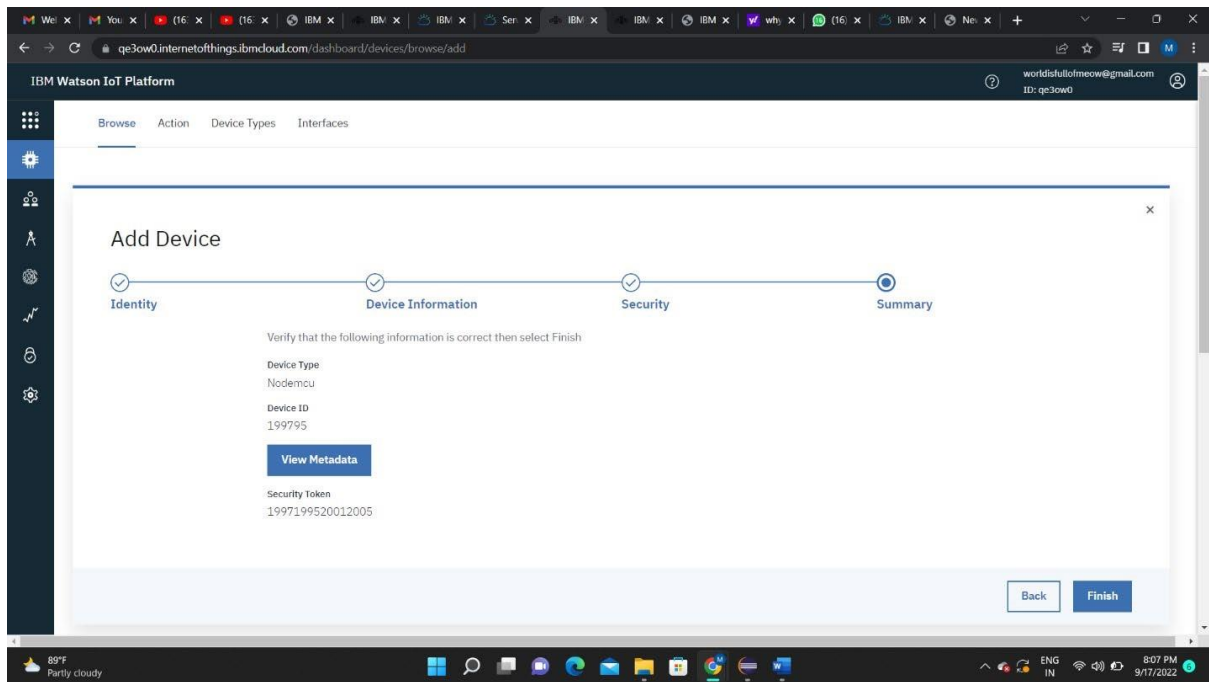
Self-provided authentication token

Provide your own authentication token for this device. The token must be between 8 and 36 characters and contain a mix of 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

Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.

Authentication token are encrypted before we store them.



IBM Watson IoT Platform

← Back

Device Drilldown - 199795

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 connection and event details.

Organization ID

qe3ow0

Device Type

Nodemcu

Device ID

199795

Authentication Method

use-token-auth

Authentication Token

1997199520012005

⚠

Authentication tokens are non-recoverable. If you

Find out how to add these credentials to your device

Connection Information

ibmdet - Notepad

File Edit View

Organization ID qe3ow0
Device Type Nodemcu
Device ID 199795
Authentication Method use-token-auth
Authentication Token 1997199520012005

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IBM Watson IoT Platform

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
199795	Disconnected	Nodemcu	Device	17 Sep 2022 20:07	

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
-------	-------	--------	---------------

Waiting for device events...

IBM Watson IoT Platform

Search by Device ID

Device Simulator

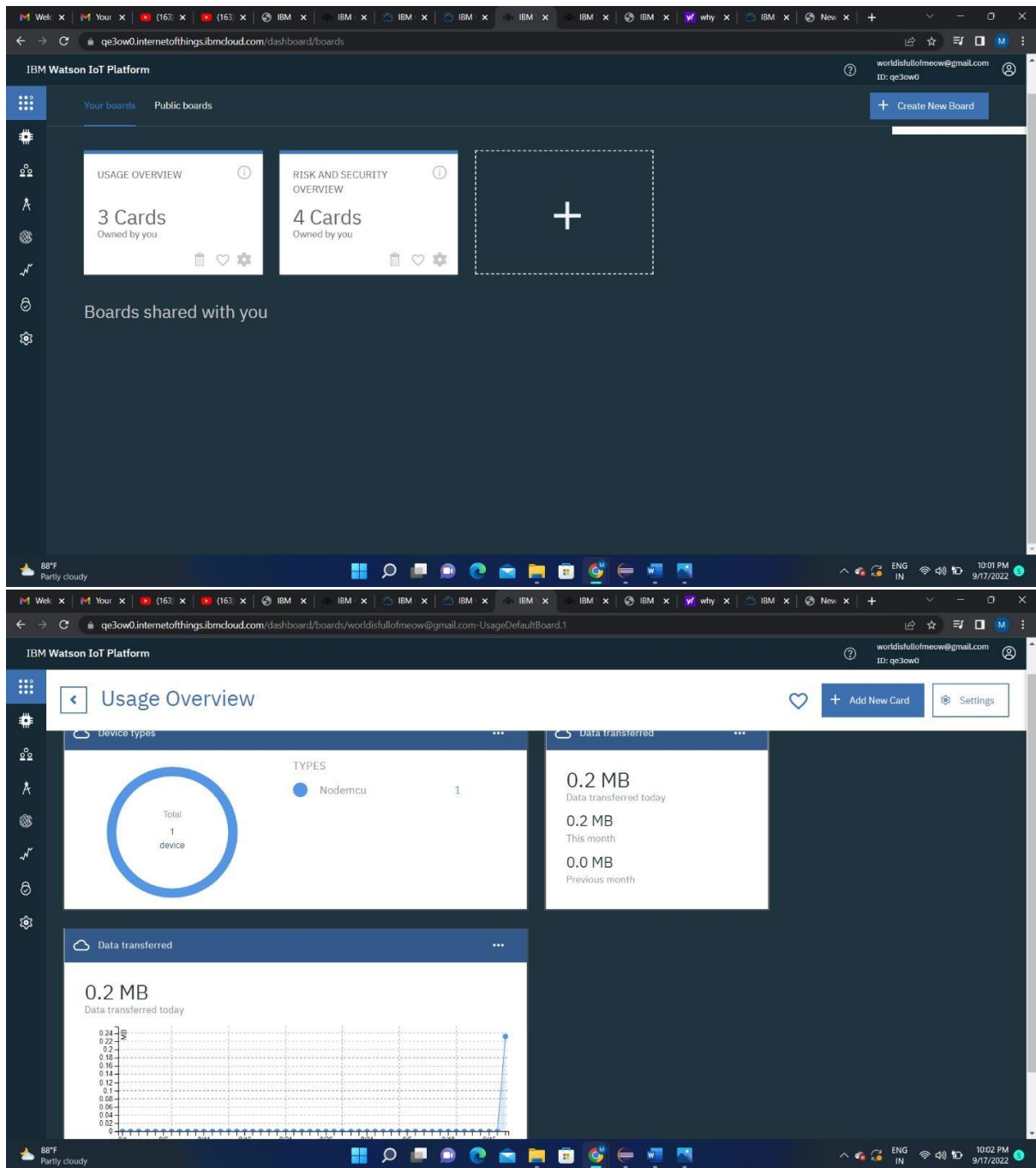
Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
199795	Disconnected	Nodemcu	Device	17 Sep 2022 20:07	

Identity Device Information Recent Events State Logs

Device ID: 199795
Device Type: Nodemcu
Date Added: 17 Sep 2022 20:07
Added By: worldisfullofmeow@gmail.com
Connection Status: Disconnected

Items per page 50 | 1-1 of 1 item

1 of 1 page



RESULT :

An IBM Watson Cloud for IoT and a device is created