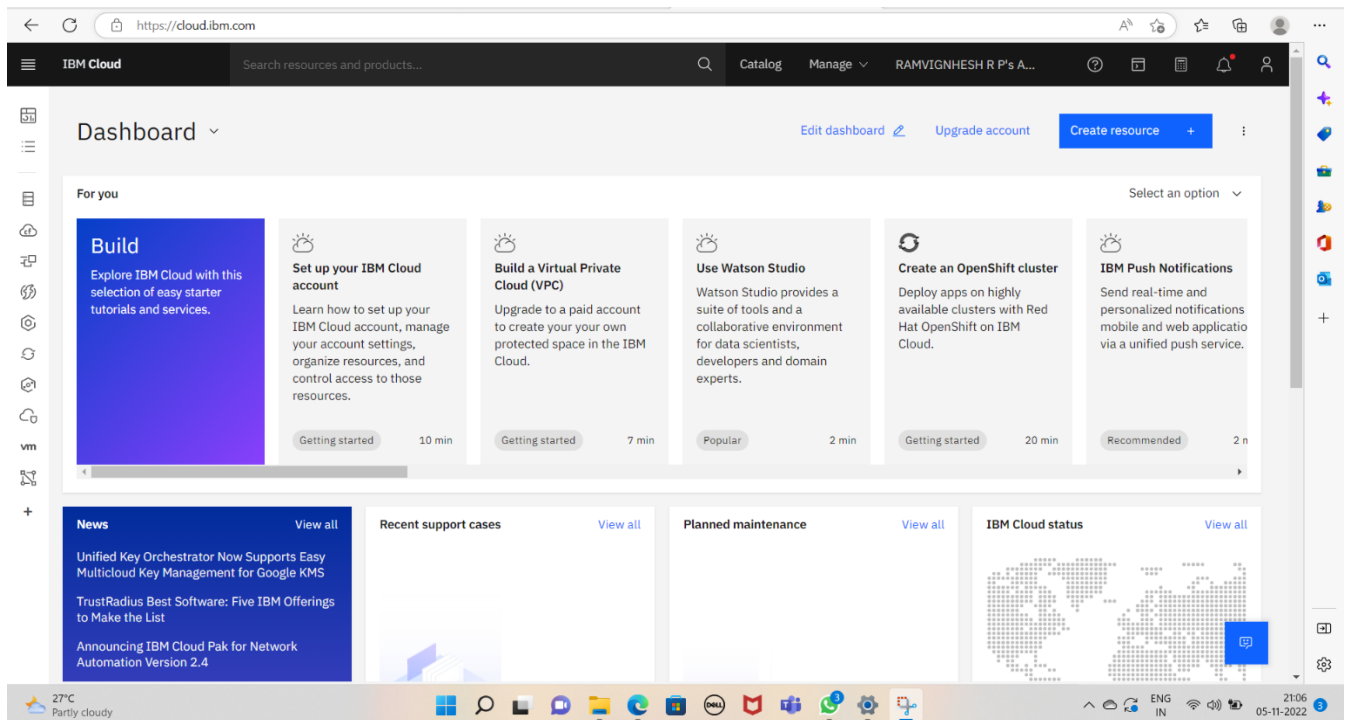


Step:1



The screenshot shows the IBM Cloud Dashboard at <https://cloud.ibm.com>. The dashboard is titled "Dashboard" and includes a search bar and navigation links for "Catalog", "Manage", and "RAMVIGNHESH R P's A...". The main content area is divided into two sections: "For you" and "News".

For you

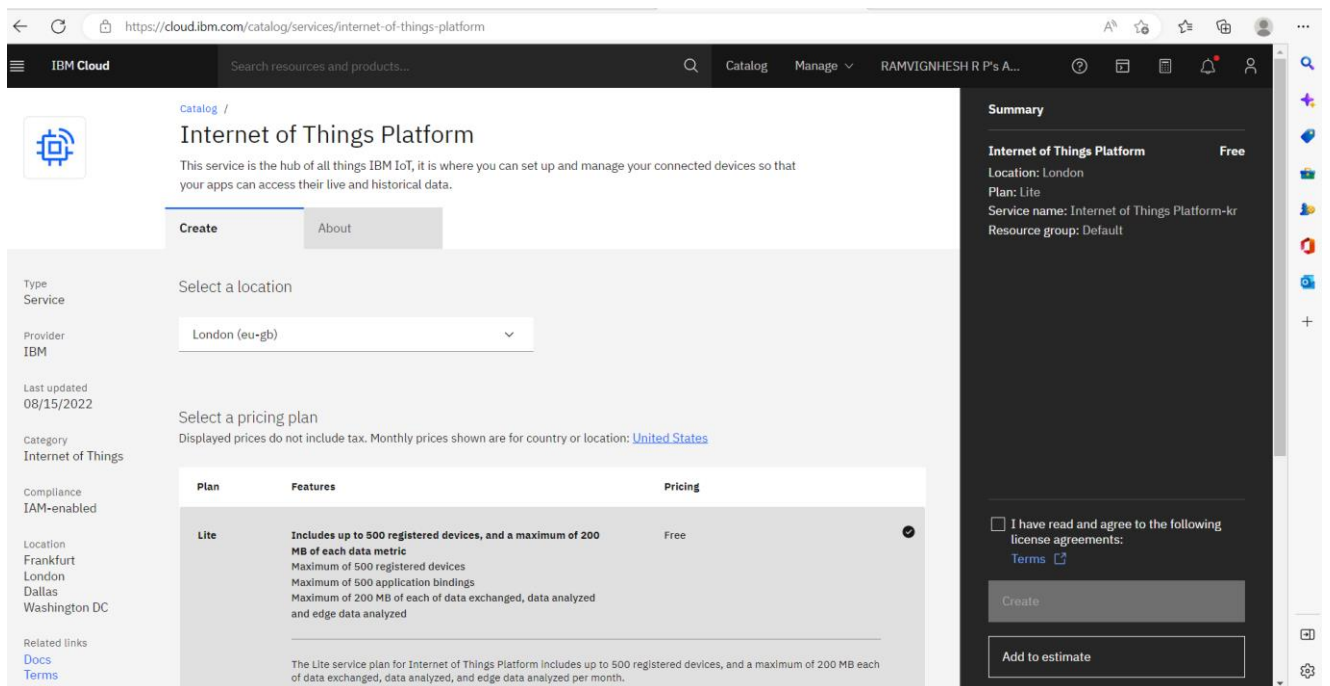
- Build**: Explore IBM Cloud with this selection of easy starter tutorials and services.
- Set up your IBM Cloud account**: Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources. (Getting started, 10 min)
- Build a Virtual Private Cloud (VPC)**: Upgrade to a paid account to create your own protected space in the IBM Cloud. (Getting started, 7 min)
- Use Watson Studio**: Watson Studio provides a suite of tools and a collaborative environment for data scientists, developers and domain experts. (Popular, 2 min)
- Create an OpenShift cluster**: Deploy apps on highly available clusters with Red Hat OpenShift on IBM Cloud. (Getting started, 20 min)
- IBM Push Notifications**: Send real-time and personalized notifications mobile and web application via a unified push service. (Recommended, 2 min)

News

- Unified Key Orchestrator Now Supports Easy Multicloud Key Management for Google KMS
- TrustRadius Best Software: Five IBM Offerings to Make the List
- Announcing IBM Cloud Pak for Network Automation Version 2.4

The bottom of the dashboard shows a "Recent support cases" section, a "Planned maintenance" section, and an "IBM Cloud status" map. The system tray at the bottom indicates a temperature of 27°C, partly cloudy weather, and the date 05-11-2022.

Step:2



The screenshot shows the IBM Cloud Internet of Things Platform page at <https://cloud.ibm.com/catalog/services/internet-of-things-platform>. The page is titled "Internet of Things Platform" and includes a description: "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**

Select a location

Provider: IBM

Location: London (eu-gb)

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: London
Plan: Lite
Service name: Internet of Things Platform-kr
Resource group: Default

☐ I have read and agree to the following license agreements: [Terms](#)

Create

Add to estimate

Step:3

The screenshot shows the IBM Cloud console interface. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user profile (RAMVIGNHESH R P's A...). The main content area is titled 'Internet of Things Platform-kr' with a status of 'Active' and an 'Add tags' link. A left sidebar contains 'Manage', 'Plan', and 'Connections'. The main content area features a large graphic of a central node connected to several peripheral nodes, with the text 'Let's get started with IBM Watson IoT Platform' and a 'Launch' button. Below this, a section titled 'Ready for the next level?' introduces the 'IBM Watson IoT Platform Journey' with three stages: 'Lite', 'Non-Production', and 'Production'. Each stage has a brief description and a 'Free' or 'Starts at \$500 per month' label.

Resource list /

Internet of Things Platform-kr

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

Step:4

The screenshot shows the IBM Watson IoT Platform landing page. The top navigation bar includes the IBM Watson IoT Platform logo, a 'Sign in' button, and a search bar. The main content area features a large graphic of a central node connected to several peripheral nodes, with the text 'Assets' and 'Collect data from' and 'and make value from it'. A 'Learn More' button is visible at the bottom center. A 'Cookie Preferences' button is located at the bottom right.

IBM Watson IoT Platform

Sign in

Collect data from

Assets

and make value from it

Learn More

Cookie Preferences

Step:5

IBM Watson IoT Platform

https://baf069.internetofthings.ibmcloud.com/dashboard/devices/browse

rpramvignhesh@gmail.com
ID: baf069

Browse Action Device Types Interfaces

All Devices Diagnose

Add Device

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 |
|-----------|--------|-------------|----------|------------|----------------------|
|-----------|--------|-------------|----------|------------|----------------------|

You don't have any devices.

Create a device.

Step:6

IBM Watson IoT Platform

https://baf069.internetofthings.ibmcloud.com/dashboard/devices/browse/add

rpramvignhesh@gmail.com
ID: baf069

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 NodeMCU

Device ID 12345

Cancel Next

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.

Step:7

IBM Watson IoT Platform

rpamvignesh@gmail.com
ID: baf069

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.

Back Next

Step:8

IBM Watson IoT Platform

rpamvignesh@gmail.com
ID: baf069

Browse Action Device Types Interfaces

Add Device

Identity Device Information Security **Summary**

Verify that the following information is correct then select Finish

Device Type
NodeMCU

Device ID
12345

[View Metadata](#)

Security Token
123456789

Back Finish

Step:9

The screenshot shows the 'Device Drilldown - 12345' page in the IBM Watson IoT Platform. The left sidebar contains a navigation menu with options: Back, Device Credentials, Connection Information, Recent Events, State, Device Information, Metadata, Diagnostics, Connection Logs, and Device Actions. The main content area is titled 'Device Credentials' and includes a warning message: 'Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.' Below this, a table lists the device's credentials.

| Organization ID | baf069 |
|-----------------------|----------------|
| Device Type | NodeMCU |
| Device ID | 12345 |
| Authentication Method | use-token-auth |
| Authentication Token | 123456789 |

Find out how to add these credentials to your device.

Step:10

The screenshot shows the 'Browse Devices' page in the IBM Watson IoT Platform. The page has a top navigation bar with 'Browse', 'Action', 'Device Types', and 'Interfaces'. Below this, there are tabs for 'All Devices' and 'Diagnose'. A table lists the devices, with one device (ID: 12345) shown as 'Disconnected'. The table has columns for Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. The page also includes a search bar and a 'Device Simulator' toggle.

| Device ID | Status | Device Type | Class ID | Date Added | Descriptive Location |
|-----------|--------------|-------------|----------|---------------------|----------------------|
| 12345 | Disconnected | NodeMCU | Device | Nov 5, 2022 9:47 PM | |