

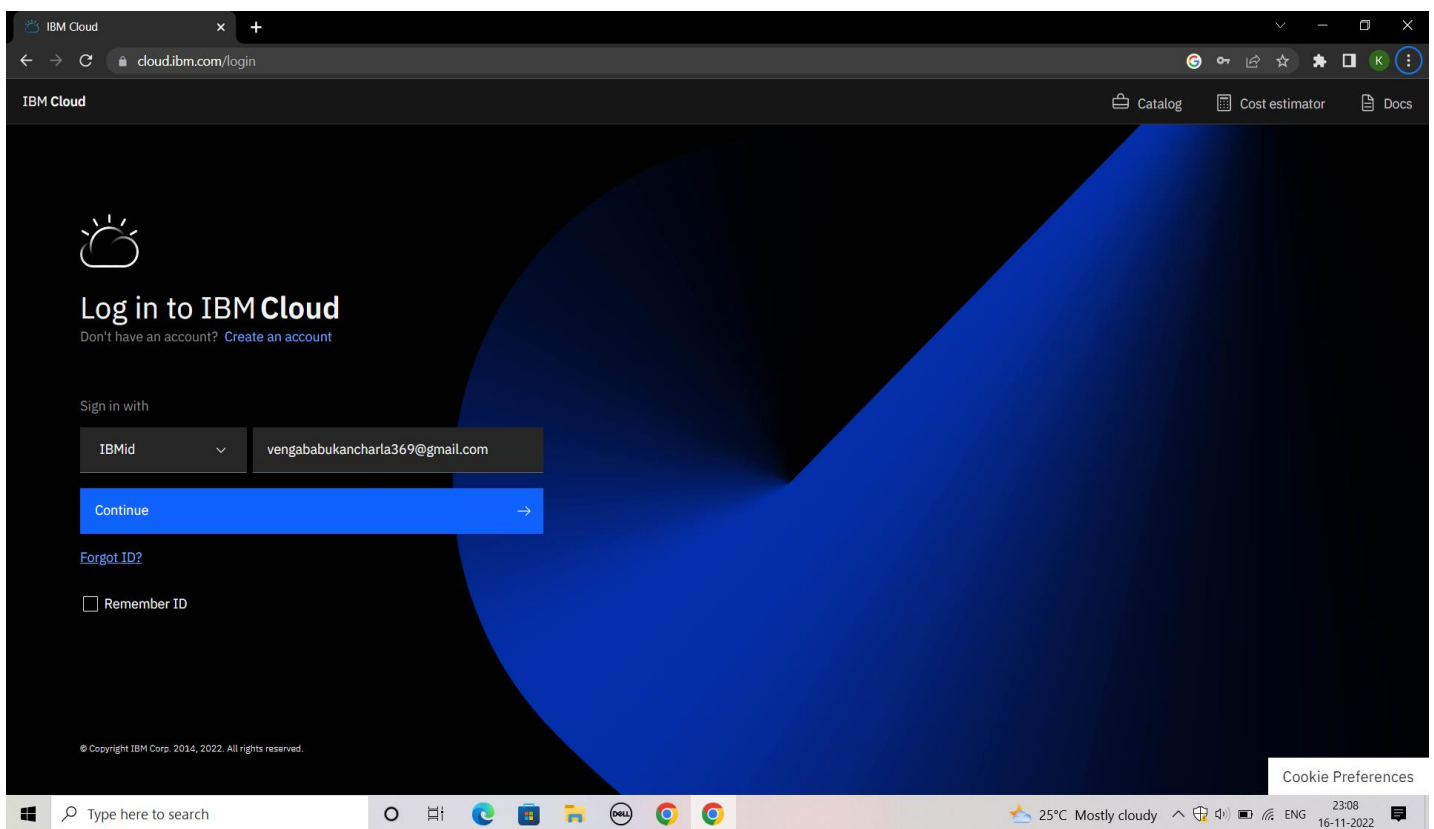
CREATE IBM WATSON IOT PLATFORM AND DEVICE

AIM:

To create the IBM Watson IoT platform and device

STEPS:

1. Firstly create an IBM cloud account with IBMid and password.



2. Home page of IBM cloud.

The screenshot displays the IBM Cloud dashboard interface. At the top, a browser window shows the URL `cloud.ibm.com`. The dashboard header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and a user profile. The main content area is titled "Dashboard" and features a "For you" section with six recommended actions:

- Build**: Explore IBM Cloud with this selection of easy starter tutorials and services. (Getting started, 15 min)
- Build a web app with Watson Speech to Text**: Deploy a conversational interface compatible with any application, device, or channel. (Popular, 2 hr)
- Get Started with Watson Studio**: Get started with using AI and Cloud Object Storage in 15 minutes. (Recommended, 2 min)
- IBM Watson Internet of Things Platform**: Communicate with connected devices, monitor and analyze data in real time, connect your own IoT apps and add Watson AI to the solution. (Getting started, 7 min)
- Build a Virtual Private Cloud (VPC)**: Upgrade to a paid account to create your own protected space in the IBM Cloud. (Recommended, 20 min)
- Incorporate DevOps into your process**: Shorten releases, improve reliability, and stay ahead of the competition with IBM DevOps. (Getting started, 15 min)

Below the "For you" section, there are four panels: "News" (with links to SLSA Support, WebSphere Application Server Support, and IBM Adds Lifecycle Services), "Recent support cases", "Planned maintenance", and "IBM Cloud status". The bottom of the screen shows a Windows taskbar with a search bar, application icons, and system status (27°C Cloudy, 18:10, 15-11-2022).

3. Click on the catalog on the top.

IBM Cloud Account C Obtain an IBM Cloud Catalog - IBM Cloud IBM Settings - Password Your IBM Cloud verifi

cloud.ibm.com/catalog

IBM Cloud Search resources and products...

Sell on IBM Cloud Catalog settings

Catalog

Search the catalog...

Category ^ Viewing 206 products

Alphabetically

- Recommended products (6)
- Compute (30)
- Containers (9)
- Networking (30)
- Storage (20)
- AI / Machine Learning (17)
- Analytics (10)
- Blockchain (1)
- Databases (28)

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

Develop a web ap...pdf Create a Database...pdf Create Node-RED...pdf Create IBM Watson...pdf Show all

Type here to search 27°C Cloudy 18:10 15-11-2022

4. Click on Internet of things in the category mentioned.

IBM Cloud Account C Obtain an IBM Cloud Catalog - IBM Cloud IBM Settings - Password Your IBM Cloud verifi

cloud.ibm.com/catalog?category=iot

IBM Cloud Search resources and products...

Sell on IBM Cloud Catalog settings

Internet of Things

Search the catalog...

Alphabetically

Internet of Things x

Type ^

- All
- Services
- Software
- Professional services

Provider ^

- IBM (1)

Pricing plan ^

- Lite
- Free

Compliance ^

- IAM-enabled

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

Develop a web ap...pdf Create a Database...pdf Create Node-RED...pdf Create IBM Watson...pdf Show all

Type here to search 27°C Cloudy 18:10 15-11-2022

5. If already a lite is present delete it, or else u can't create another.

The screenshot displays the IBM Cloud catalog interface for the 'Internet of Things Platform' service. The page is viewed from the 'London (eu-gb)' region. The main content area shows the 'Select a pricing plan' section, where the 'Lite' plan is selected. The 'Lite' plan is described as including up to 500 registered devices and a maximum of 200 MB of each data metric, with a pricing of 'Free'. The plan details include: Maximum of 500 registered devices, Maximum of 500 application bindings, and Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed. A note states: '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.'

Below the pricing plan, the 'Configure your resource' section is visible, showing the 'Service name' as 'Internet of Things Platform-96' and the 'Select a resource group' as 'Default'.

On the right side, the 'Summary' panel provides a quick overview of the selected plan: 'Internet of Things Platform' (Free), Location: London, Plan: Lite, Service name: Internet of Things Platform-96, and Resource group: Default. It also includes a checkbox for 'I have read and agree to the following license agreements:' with a link to 'Terms'.

The bottom of the screen shows the Windows taskbar with several open applications: 'Develop a web ap...pdf', 'Create a Database...pdf', 'Create Node-RED...pdf', and 'Create IBM Watso...pdf'. The system tray indicates the time as 18:11 on 15-11-2022, with a weather forecast of 27°C Cloudy.

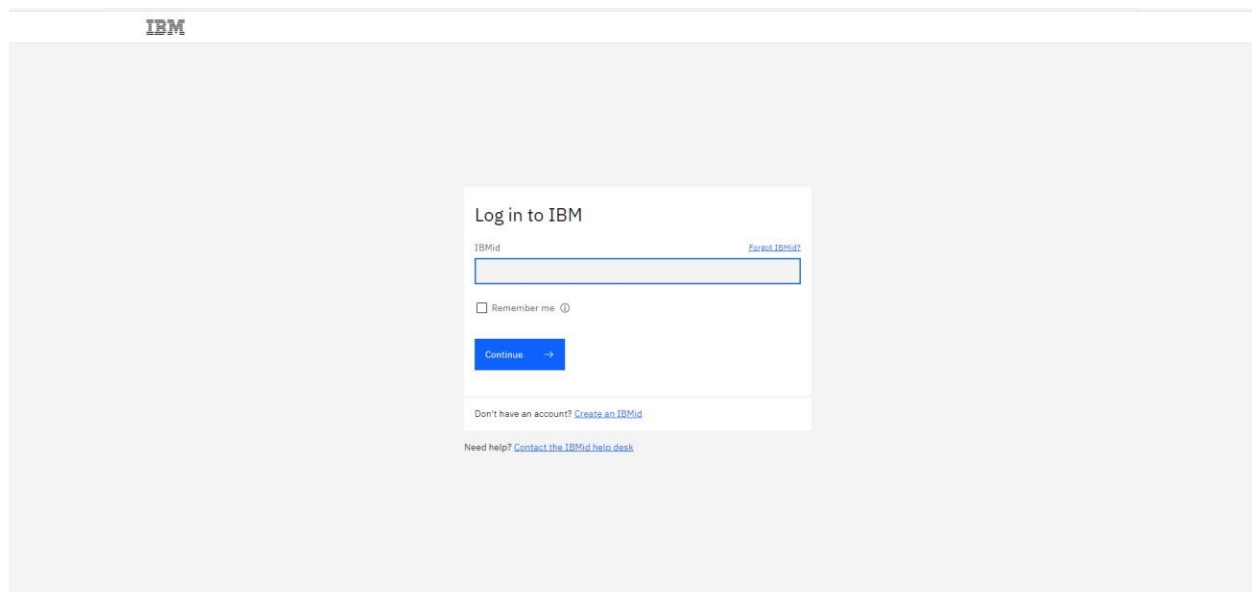
6. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create.

The screenshot shows the IBM Cloud IoT Platform management interface. The browser address bar displays a long URL: `cloud.ibm.com/services/iotf-service/cm%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-gb%3Aa%2Fa635ed4d47de4f01b7e66833f892070c%3Afa2737e88-223b-4d33-92f5-4273fb45f131...`. The page title is "Internet of Things Platform-96" with a green "Active" status and an "Add tags" link. A "Details" link and an "Actions..." dropdown are in the top right. The left sidebar has a "Manage" tab selected, with sub-items "Plan" and "Connections". The main content area features a large blue icon representing a device connected to a cloud. Below the icon, the text reads "Let's get started with IBM Watson IoT Platform" followed by a description: "Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world." There are "Launch" and "Docs" buttons. Further down, a section titled "Ready for the next level?" shows the "IBM Watson IoT Platform Journey" with three stages: "Lite", "Non-Production", and "Production". Each stage has a brief description of the service plan. The bottom of the page shows a Windows taskbar with several open PDF files and a system tray displaying "27°C Cloudy" and the date "15-11-2022".

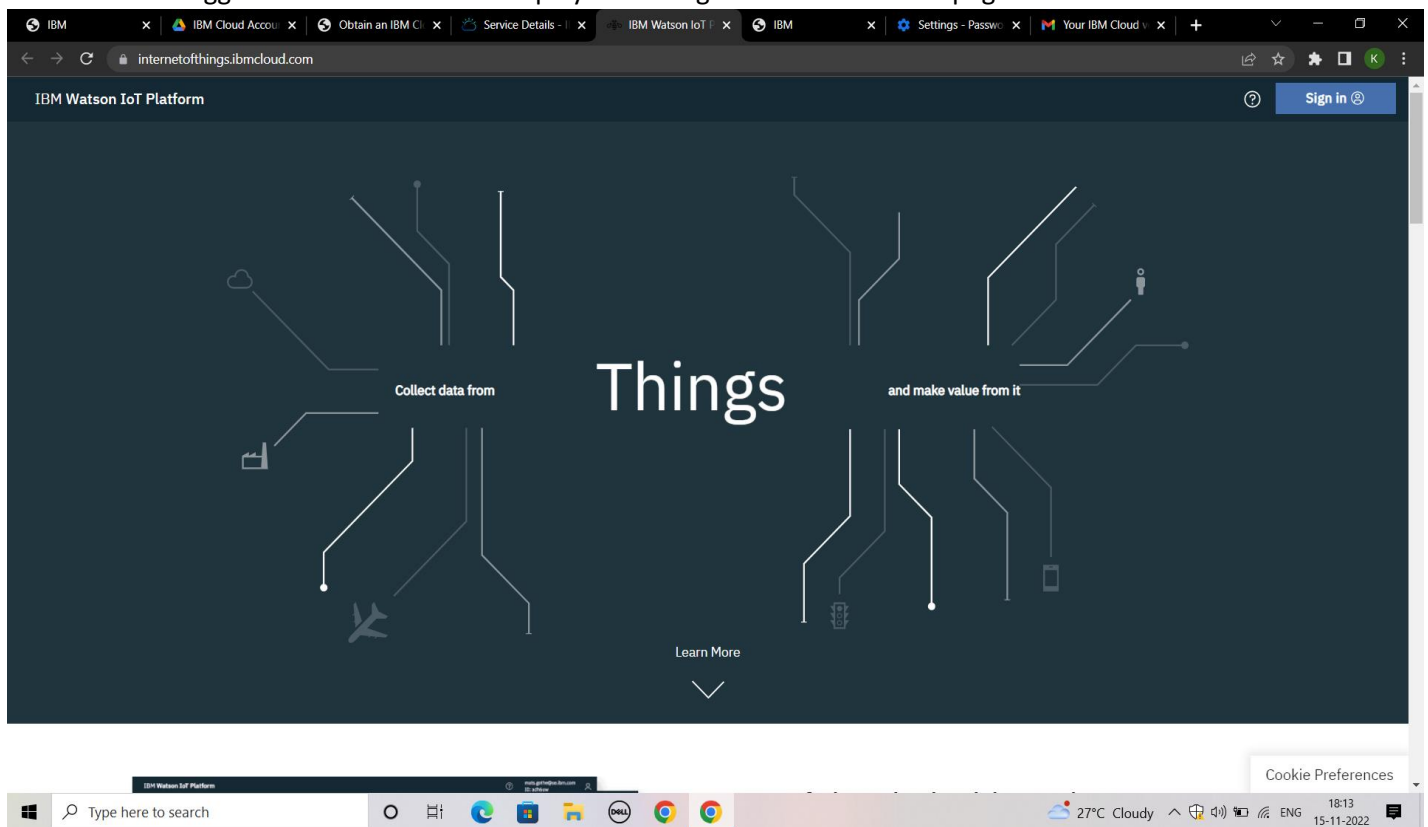
7. Clicking on the launch button in the manage tab, it will open to this.

The screenshot shows the IBM Watson IoT Platform landing page. The browser address bar displays the URL: `internetofthings.ibmcloud.com`. The page title is "IBM Watson IoT Platform" with a "Sign in" button in the top right. The main content area features a large blue background with white text and icons. The text reads "Collect data from Equipment and make value from it". Below the text, there are icons representing various IoT devices and a person. At the bottom of the page, there is a "Cookie consent" banner with the text "About cookies on this site" and "Our websites require some cookies to function properly (required). In addition, other cookies may be used with your consent to analyze site usage, improve the user experience and for advertising." There are links for "Cookie preferences" and "privacy statement". There are also buttons for "Accept all" and "Required only". The bottom of the page shows a Windows taskbar with several open PDF files and a system tray displaying "27°C Cloudy" and the date "15-11-2022".

8. Enter the details to sign in to the Watson Cloud to create a device.



9. Once logged in the name will be displayed and it goes back to the first page.



And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display of details of the devices.

The setting tab is used to change the general setting if needed for the project.

RESULT:

An IBM Watson cloud for IoT and a device was created.