

IBM WATSON IOT PLATFORM

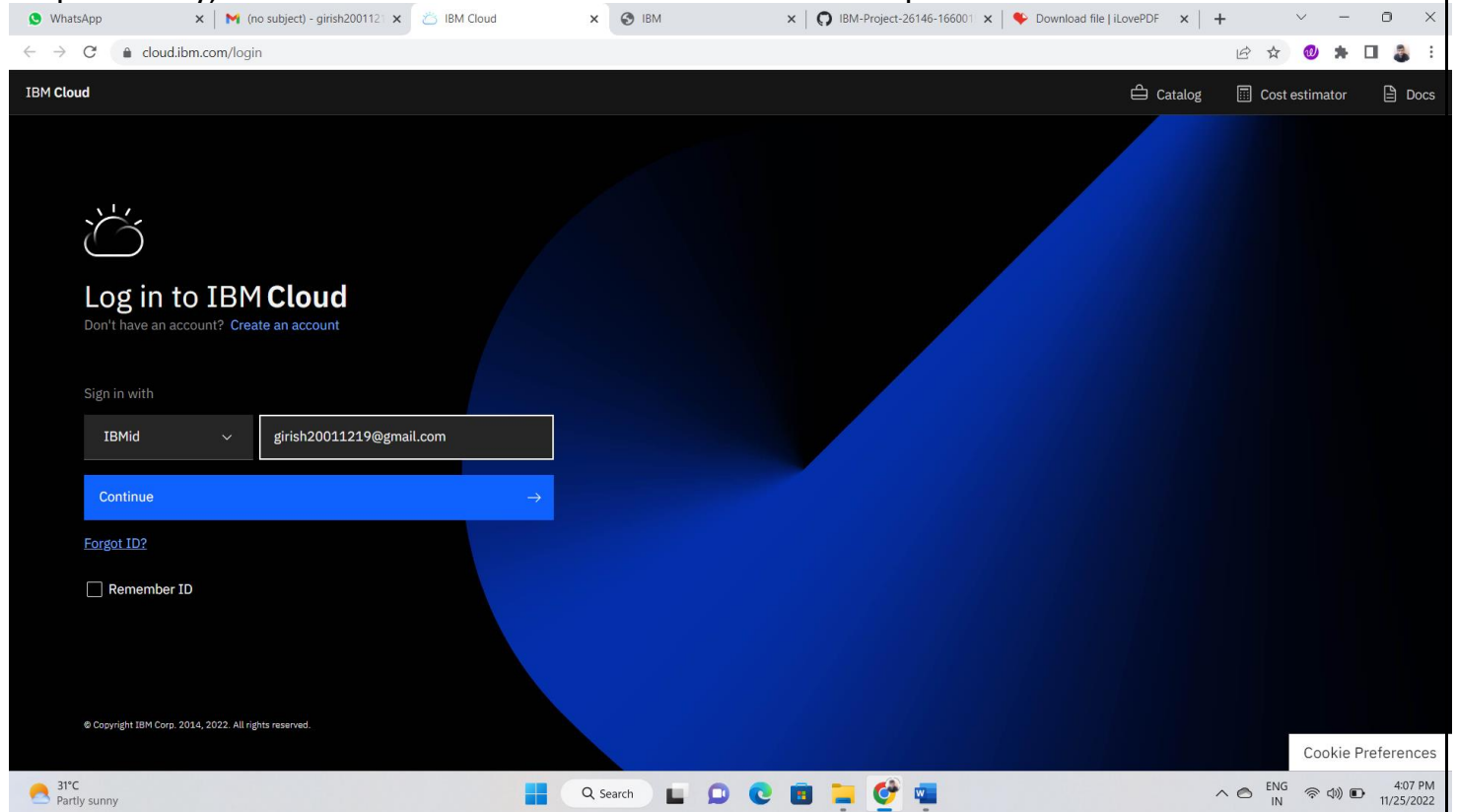
PROJECT NAME	GAS LEAKAGE MONITORING & ALERTING SYSTEM FOR INDUSTRIES
TEAM ID	PNT2022TMID03557
TEAM MEMBERS	1. GIRISH M 2. GOKUL SARAN K 3. JAGADEEBAN T 4. THOLKAPIAN K
BRANCH	ELECTRONICS AND COMMUNICATION ENGINEERING

AIM:

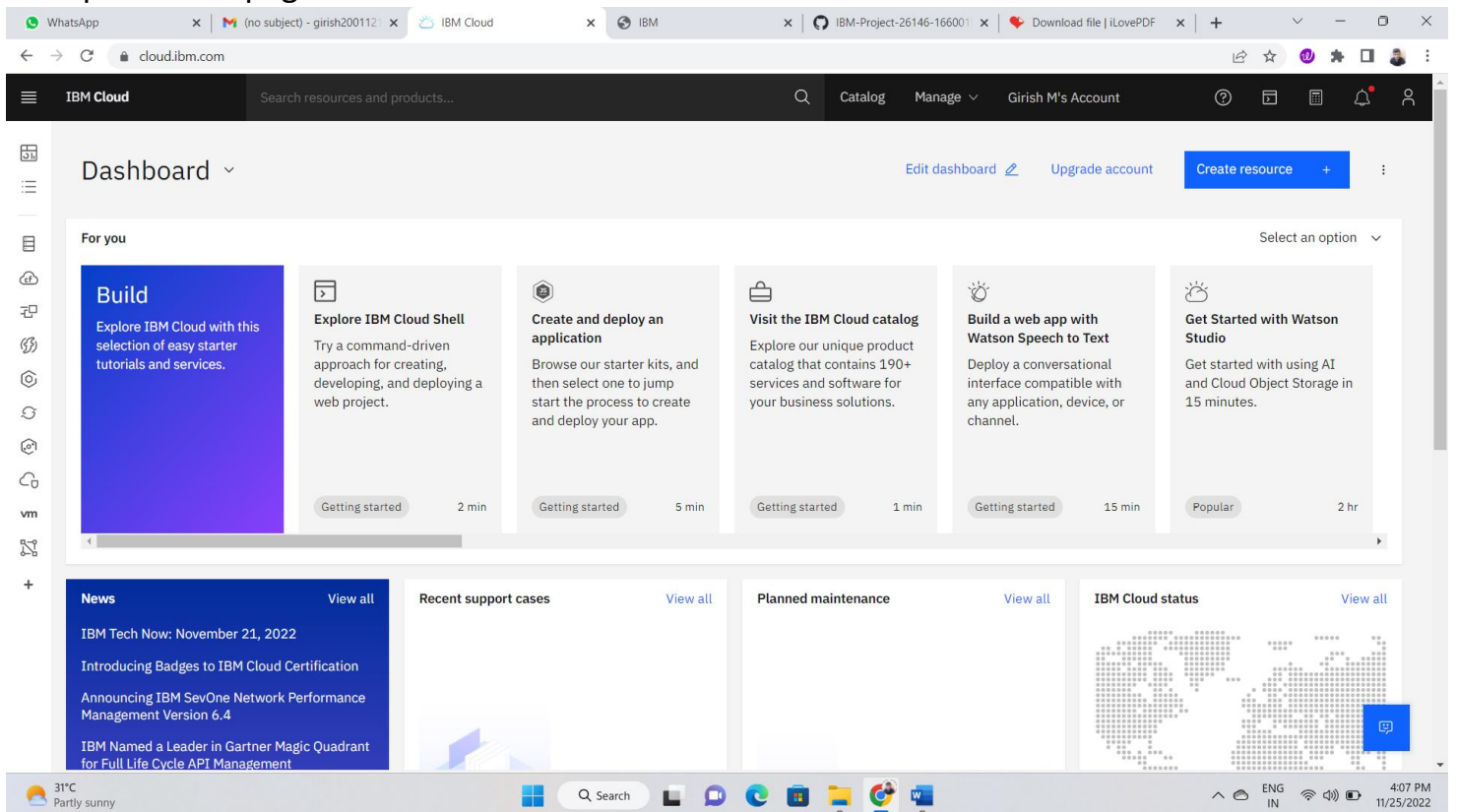
To create the IBM Watson IoT platform and device.

Steps to be followed

Step 1: Firstly, create an IBM cloud account with IBM id and password.



Step 2: Home page of IBM cloud.



Step 3: Click on IoT in the category mentioned.

The screenshot shows the IBM Cloud Catalog interface. The browser address bar displays `cloud.ibm.com/catalog?category=iot`. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and Girish M's Account. The main content area is titled "Catalog" and features a search bar. Below the search bar, the "Internet of Things" category is selected, showing "Viewing 1 product". The product listed is the "Internet of Things Platform" by IBM, described as "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." The pricing plan is "Lite • Free • IAM-enabled • IBM supported". The left sidebar contains filters for Type (All, Services, Software, Professional services), Provider (IBM (1)), and Pricing plan (Lite, Free). The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the date and time as 4:11 PM on 11/25/2022.

Step 4: If already a lite is present delete it else u can't create another.

The screenshot shows the IBM Cloud Catalog interface for the "Internet of Things Platform" service. The browser address bar displays `cloud.ibm.com/catalog/services/internet-of-things-platform`. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and Girish M's Account. The main content area is titled "Internet of Things Platform" and features a "Create" button. The "Create" button is highlighted, and the "About" tab is also visible. The "Create" tab shows a "Select a location" dropdown menu with "London (eu-gb)" selected. Below this, there is a "Select a pricing plan" section with a table of plans. The table has three columns: Plan, Features, and Pricing. The "Lite" plan is selected, showing features like "Includes up to 500 registered devices, and a maximum of 200 MB of each data metric" and a pricing of "Free". A warning message is displayed on the right side of the page, stating "Existing Lite plan instance" and "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." The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the date and time as 4:11 PM on 11/25/2022.

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

Step 5: Click on the launch button.

The screenshot shows the IBM Cloud console interface. The top navigation bar includes the IBM Cloud logo, a search bar, and user account information. The main content area is titled 'Internet of Things Platform-dv' and shows a 'Launch' button. Below this, there is a section titled 'Let's get started with IBM Watson IoT Platform' with a description: 'Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.' A 'Launch' button is prominently displayed. Below this, there is a 'Ready for the next level?' section with three options: 'Lite', 'Non-Production', and 'Production'. The 'Lite' option is selected and marked with a checkmark. The 'Non-Production' option is marked with a circle and the text 'Starts at \$500 per month'. The 'Production' option is marked with a circle and the text 'Includes IBM Service & Support'. The bottom of the screen shows a Windows taskbar with various application icons and system status information.

Step 6: Once it is logged in, the name will be displayed click on it and then click on Bluemix Free.

The screenshot shows the IBM Watson IoT Platform dashboard. The main heading is 'Cars'. Below this, there is a section titled 'Collect data from' with a diagram showing a car connected to a cloud. To the right, there is a section titled 'and make value from it' with a diagram showing a car connected to a cloud. In the top right corner, there is a user profile dropdown menu showing the user's name 'gg2k5f (ID gg2k5f)' and the account type 'Bluemix Free'. Below this, there is a 'Sign out' button. The bottom of the screen shows a Windows taskbar with various application icons and system status information.

Step 7: This is the IBM Watson platform.

The screenshot shows the IBM Watson IoT Platform dashboard. The main heading is "Browse Devices". Below it, there are two tabs: "All Devices" (selected) and "Diagnose". A descriptive text states: "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." Below this is a search bar labeled "Search by Device ID". To the right of the search bar is a "Device Simulator" toggle switch, which is currently turned on. Below the search bar is a table with the following columns: "Device ID", "Status", "Device Type", "Class ID", "Date Added", and "Descriptive Location". The table contains two rows of data:

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
Device_01_1	Disconnected	Device_01	Device	Nov 25, 2022 2:29 PM	
Num_01	Disconnected	Device_01	Device	Nov 16, 2022 10:20 AM	

Below the table, there is a pagination bar showing "Items per page 50" and "1-2 of 2 items". To the right of the pagination bar is a status bar indicating "1 Simulation running".

Result:

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