

IBM WATSON IOT PLATFORM AND DEVICE

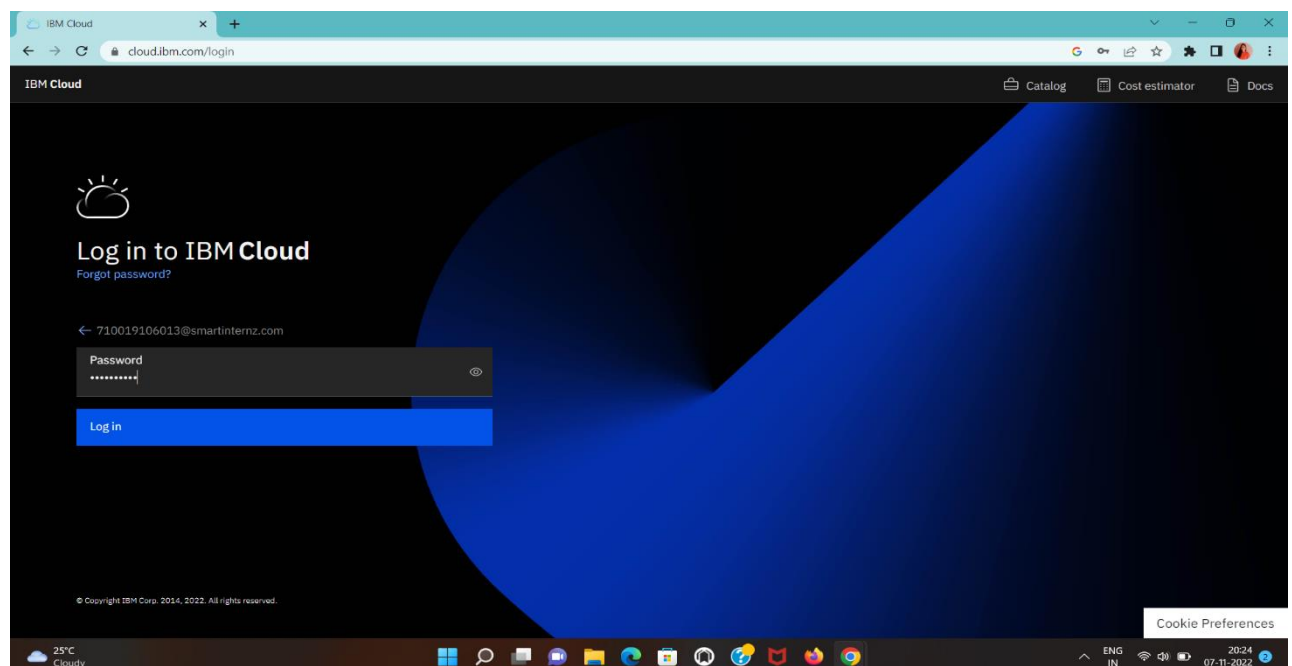
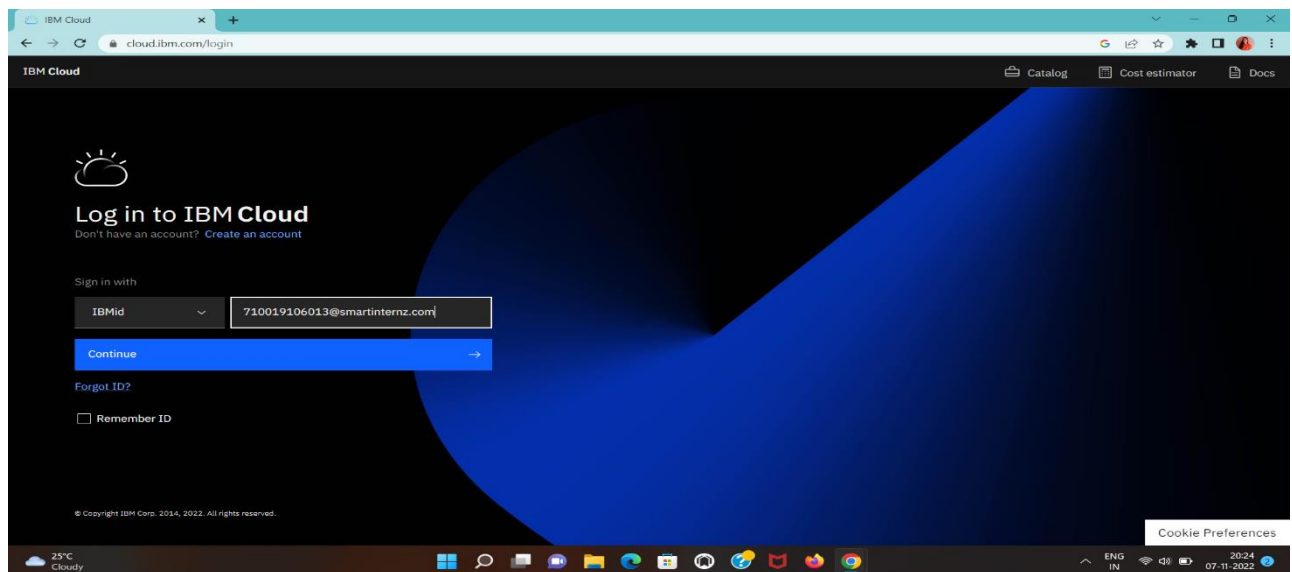
Assignment Date	07 NOVEMBER 2022
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AIM:

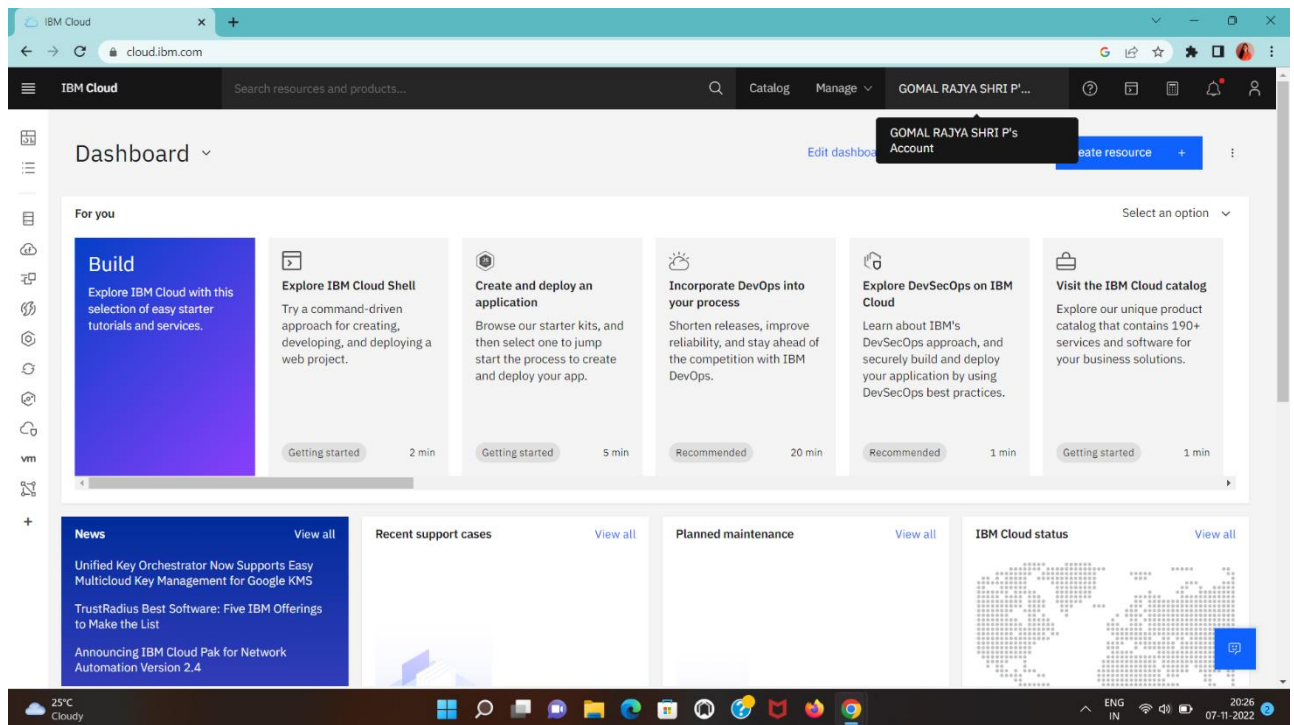
To create the IBM Watson IoT platform and device.

STEPS:

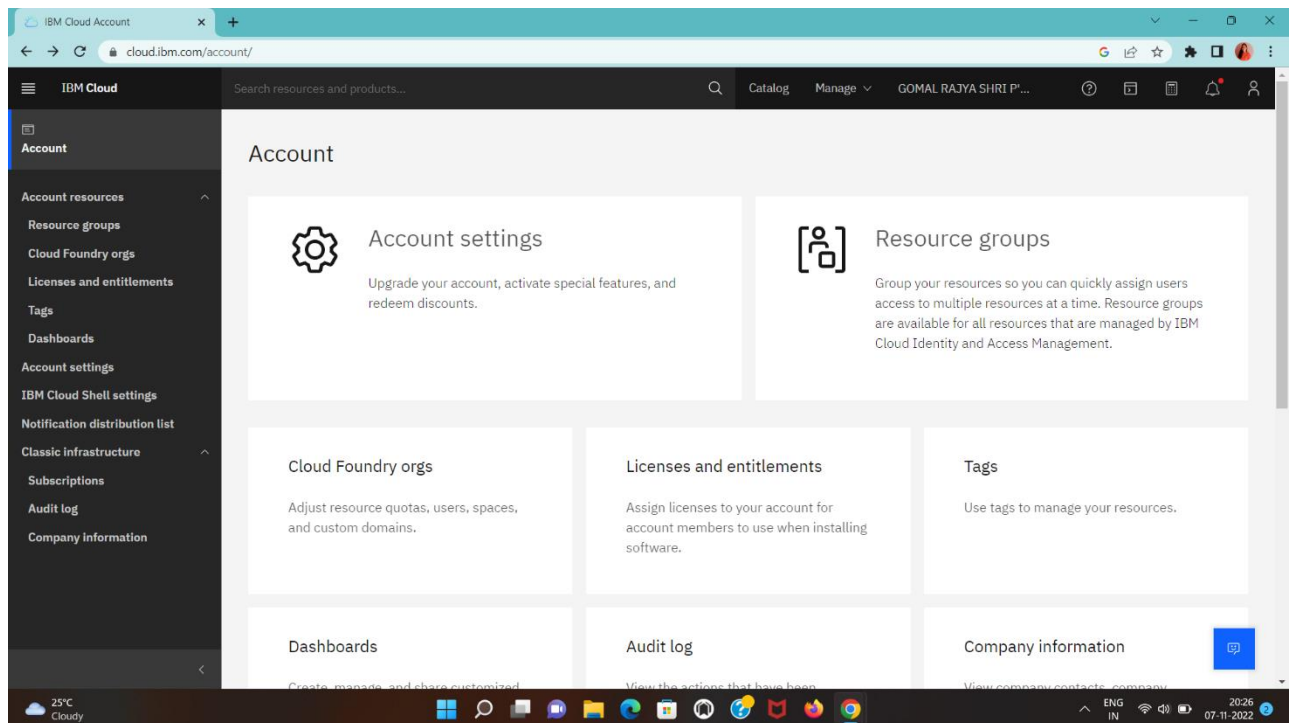
1.Login to IBM cloud account using mail ID and password



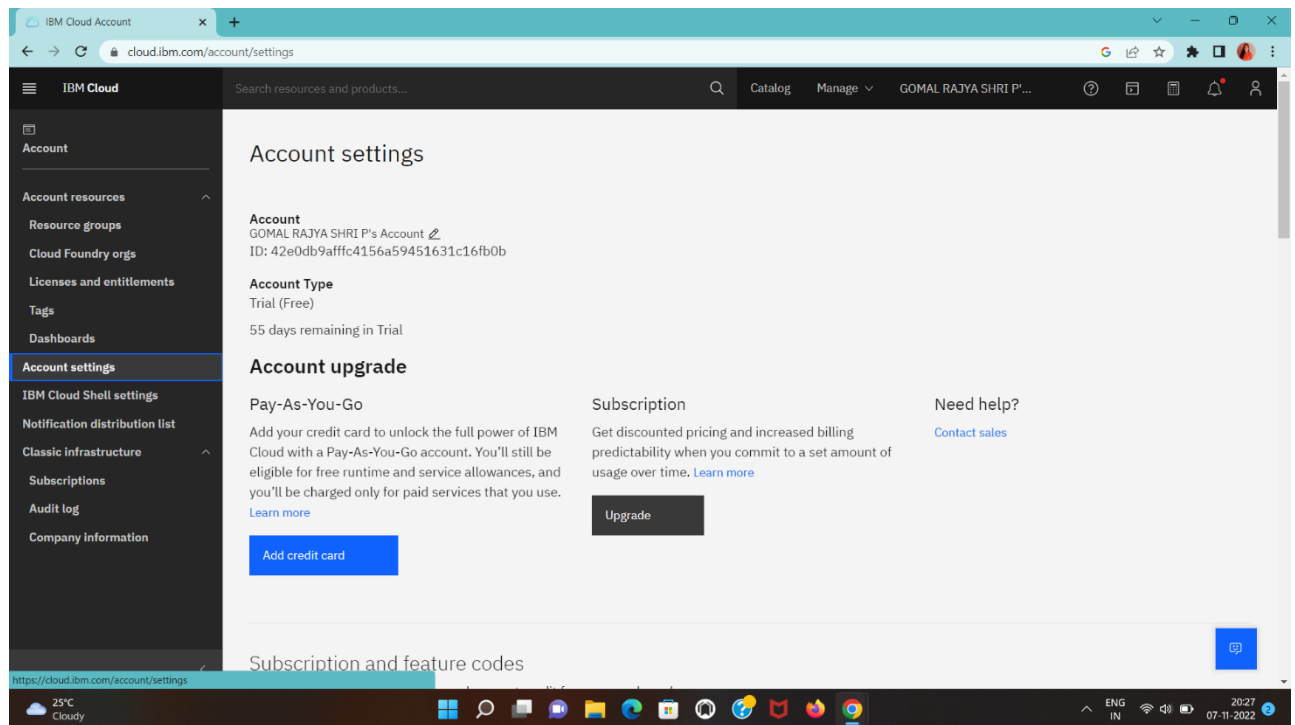
2. Homepage of the IBM cloud is shown below.



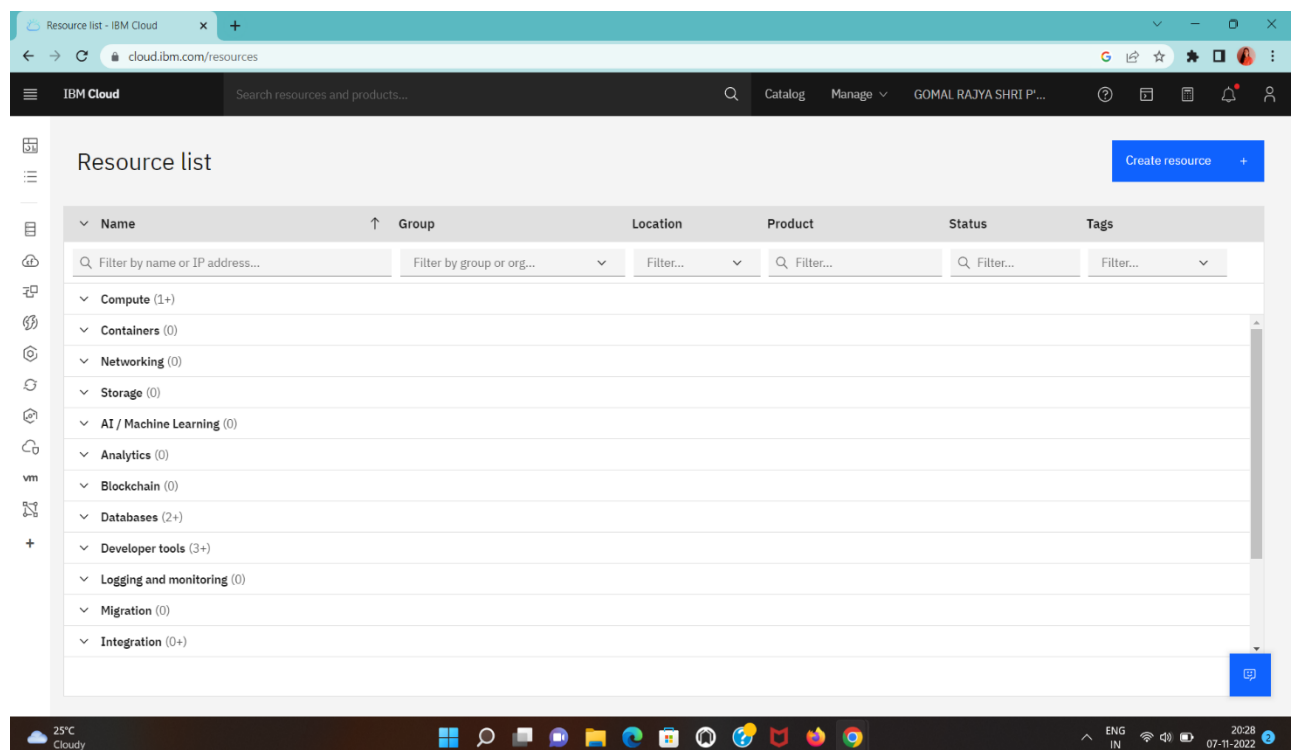
3. Account Settings will be found under the account option Under the Manage column.



4. We can access the detail of our accounts in the account settings.



5. The options shown here will be below the Resource List.



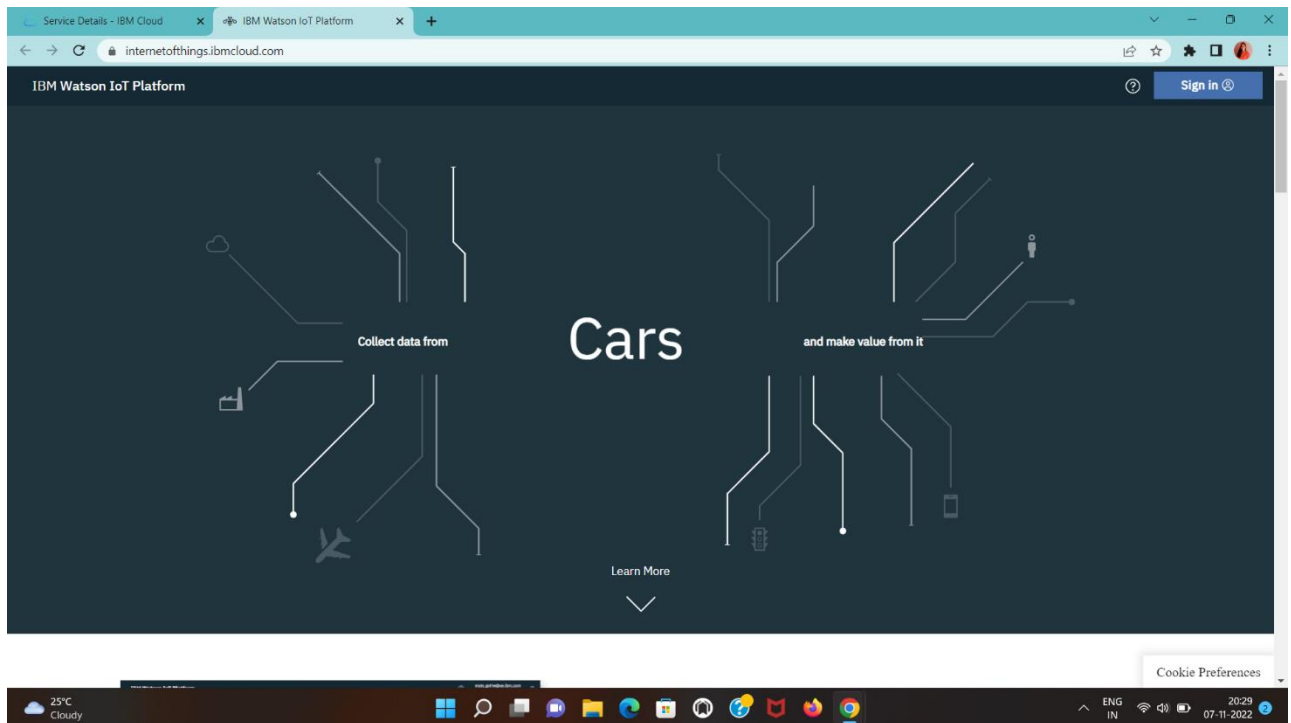
6. In the resource list Internet of things platform -ay will be available under the IoT.

The screenshot shows the IBM Cloud Resource list page. The browser address bar displays 'cloud.ibm.com/resources'. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user profile 'GOMAL RAJYA SHRI P...'. The main content area is titled 'Resource list' and features a 'Create resource' button. Below the title is a table with columns: Name, Group, Location, Product, Status, and Tags. The table lists various resource categories with expandable arrows and counts in parentheses: Storage (0), AI / Machine Learning (0), Analytics (0), Blockchain (0), Databases (2+), Developer tools (3+), Logging and monitoring (0), Migration (0), Integration (0+), Internet of Things (1), and Security (0). The 'Internet of Things' category is expanded, showing a single resource: 'Internet of Things Platform-wh'. This resource is associated with the 'Default' group, located in 'Frankfurt', is an 'Internet of Things Platform' product, and its status is 'Active' (indicated by a green dot). The page footer shows a weather widget for 25°C Cloudy, system icons, and the date '07-11-2022'.

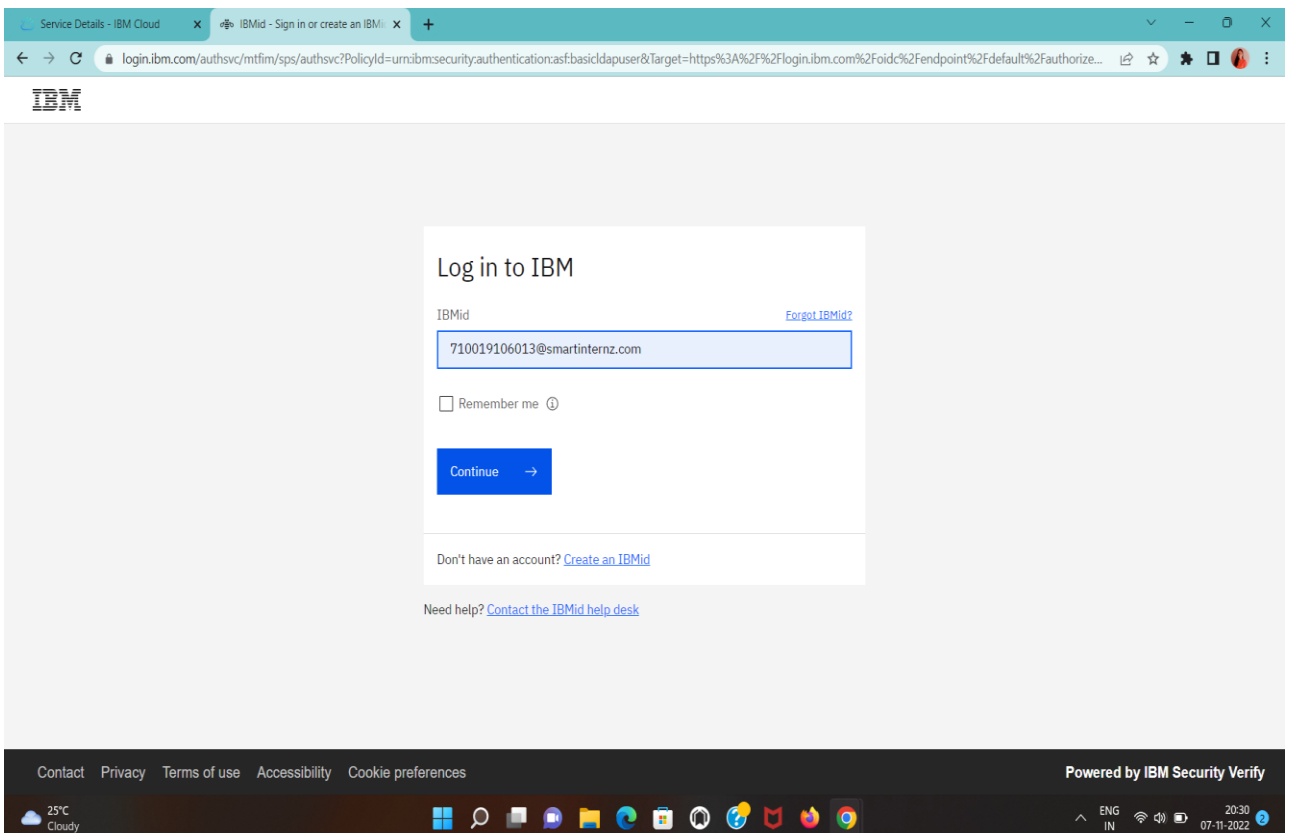
7. IBM Watson Launch option will be displayed.

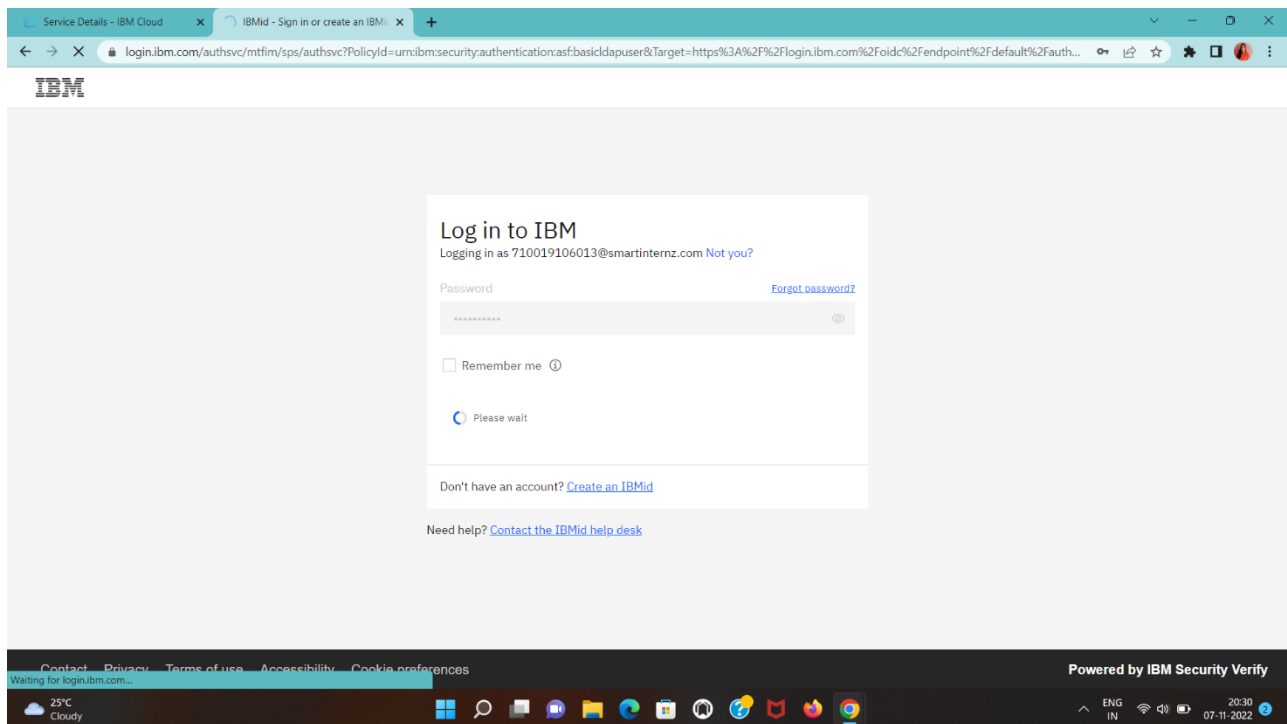
The screenshot displays the 'Service Details' page for the 'Internet of Things Platform-wh' in the IBM Cloud console. The browser address bar shows a long URL. The page header is consistent with the previous screenshot. The main heading is 'Internet of Things Platform-wh', followed by 'Active' and 'Add tags'. A 'Details' link and an 'Actions...' dropdown are visible. On the left, a 'Manage' sidebar lists 'Plan' and 'Connections'. The central content area features a large graphic of a network node and the text 'Let's get started with IBM Watson IoT Platform'. Below this, a 'Launch' button is prominently displayed next to a 'Docs' button. A section titled 'Ready for the next level?' introduces the 'IBM Watson IoT Platform Journey'. This journey is depicted as a horizontal timeline with three stages: 'Lite' (marked with a checkmark), 'Non-Production', and 'Production'. The 'Lite' stage is described as a lightweight development environment and is 'Free'. The 'Non-Production' stage is a full-featured offering for exploration, starting at '\$500 per month'. The 'Production' stage is a fully managed SaaS offering for managing and analyzing data, which 'Includes IBM Service & Support'. The page footer includes the same weather and system information as the previous screenshot.

8. IBM Watson Platform sign in page will open in IoT platform-ay link.

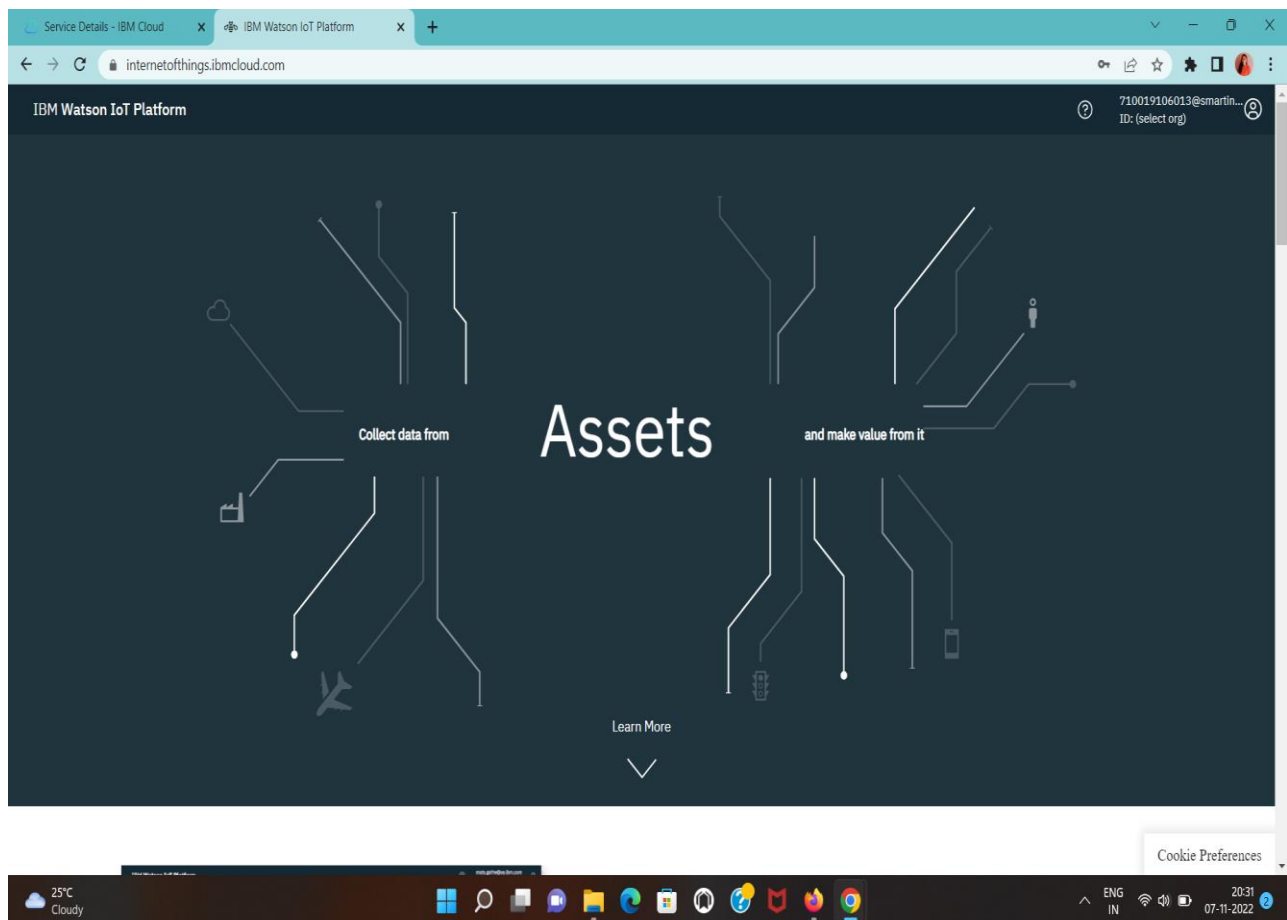


9. Sign in in IBM Watson using mail ID

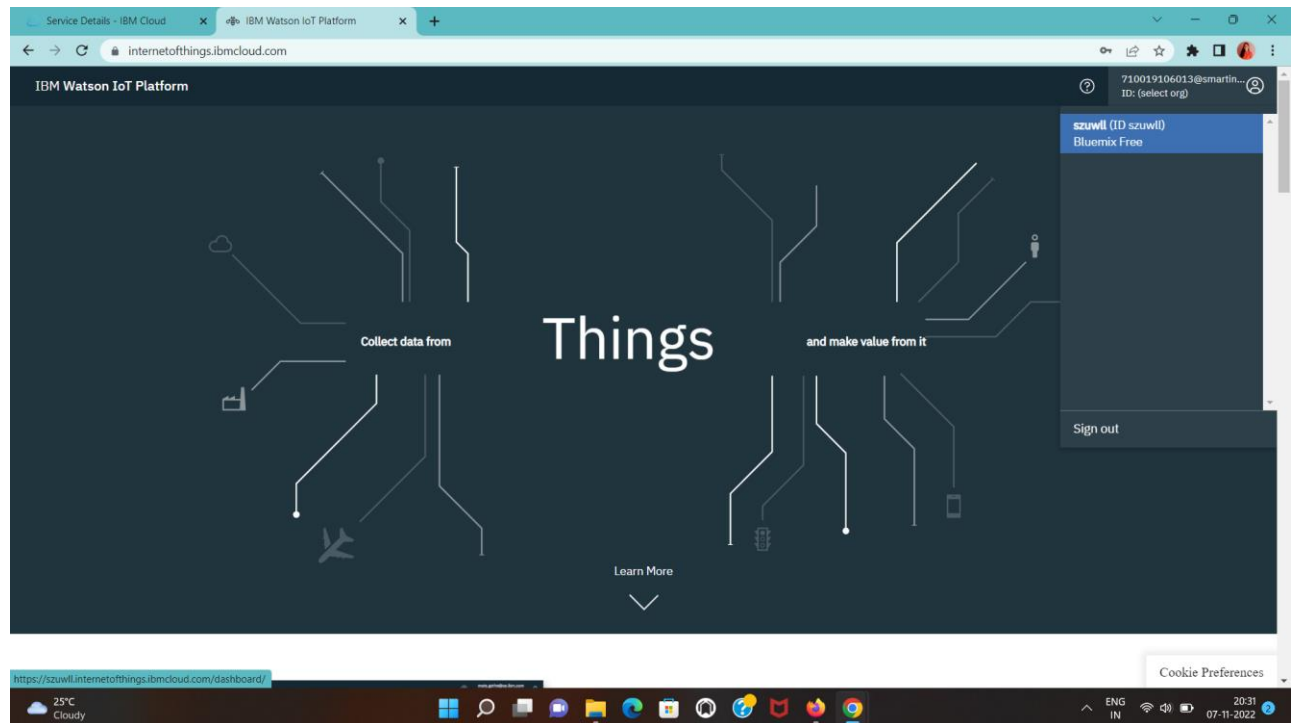




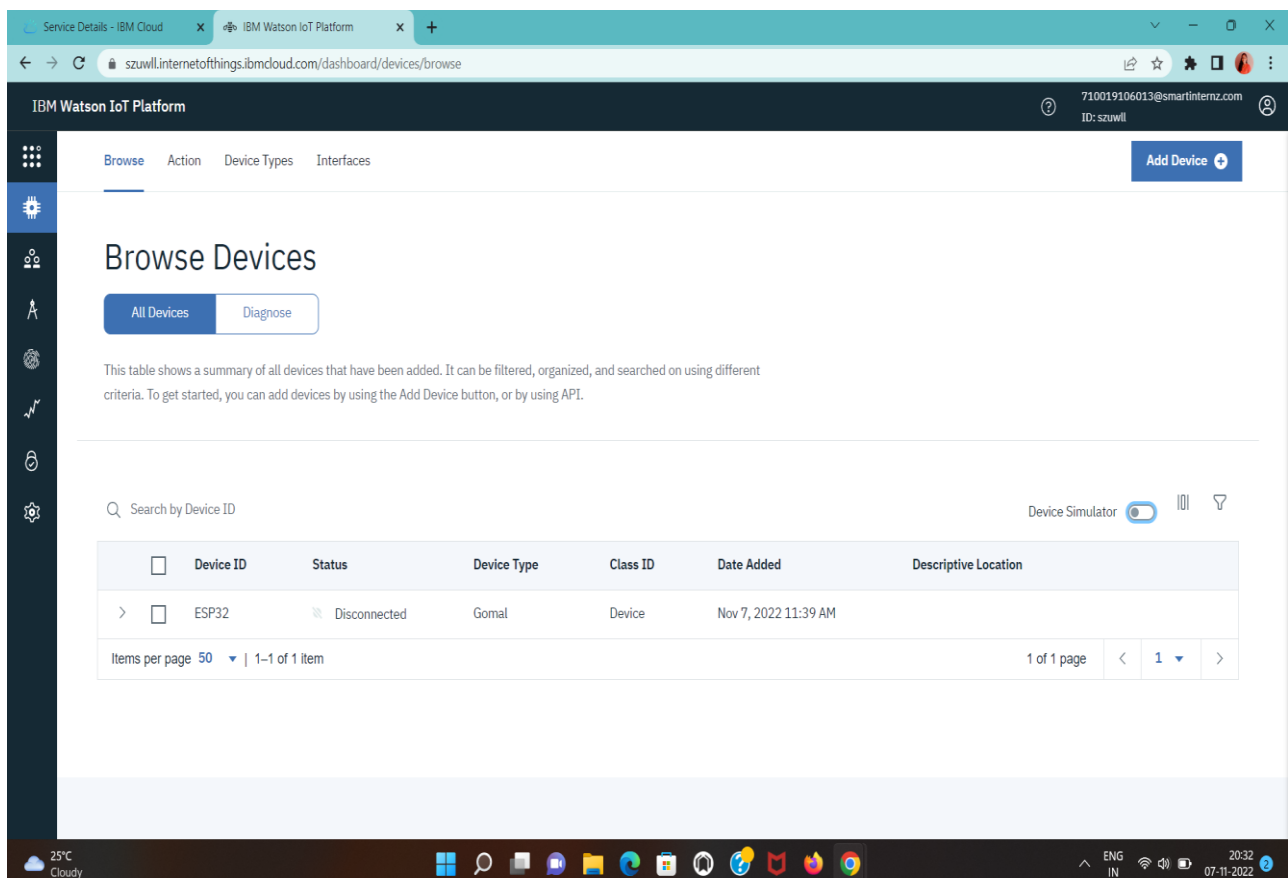
7. The Signed in IBM Watson page is shown below.



8. By clicking the ID, we can open the IBM Watson Platform Home page.



9. This page will occur once we add a device and configure the device.



10. The Device Simulator should be ON to show the output simulation by the program which is executed.

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. The main heading is 'Browse Devices'. Below this, there are tabs for 'All Devices' 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.' A search bar labeled 'Search by Device ID' is present. To the right, the 'Device Simulator' toggle is turned on. The table below lists the following device:

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
ESP32	Disconnected	Gomal	Device	Nov 7, 2022 11:39 AM	

At the bottom of the table, it says 'Items per page 50 | 1-1 of 1 item'. A notification at the bottom right of the page area says '1 Simulation running'.

Result:

The IBM Watson Cloud for IoT and a device is created successfully.