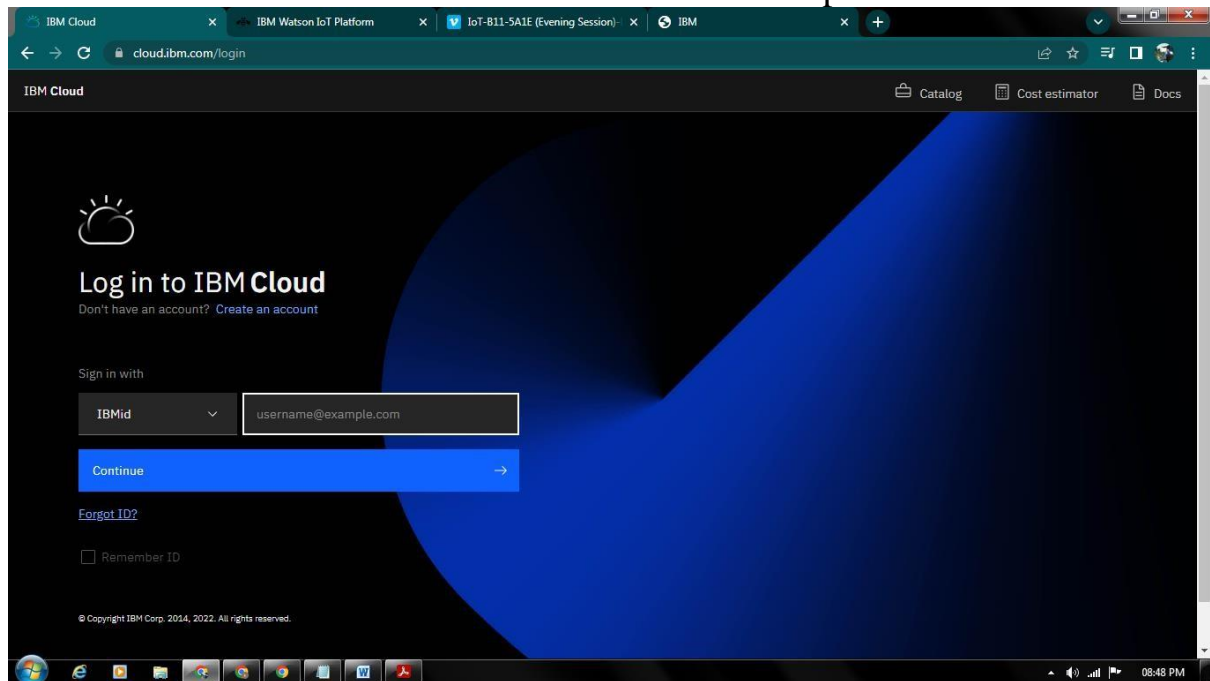


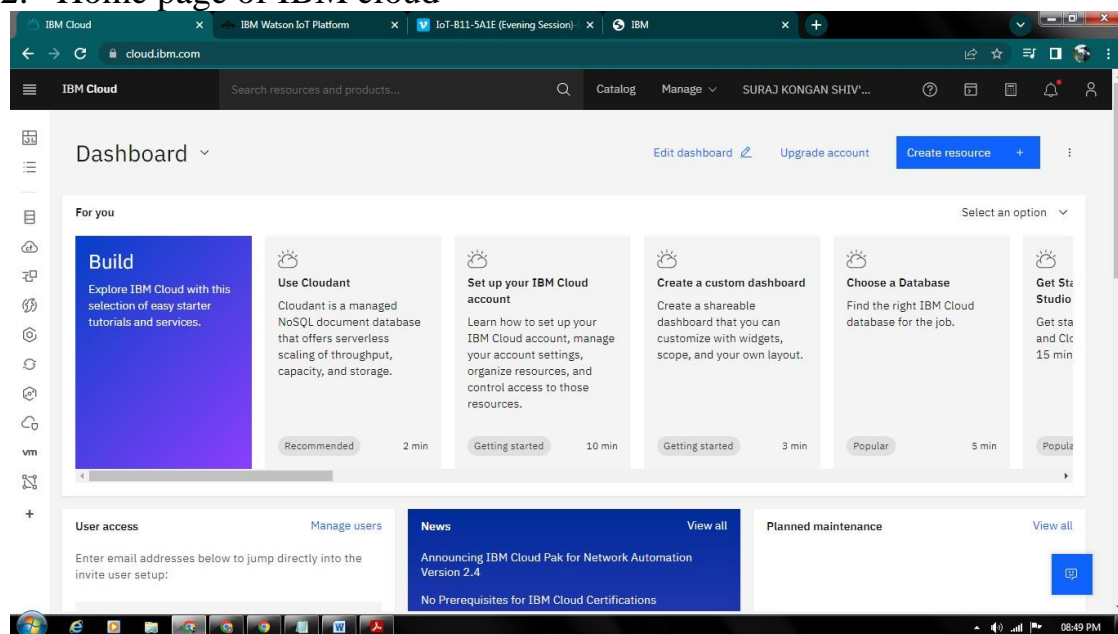
CREATE IBM WATSON IOT PLATFORM AND DEVICE

STEPS:

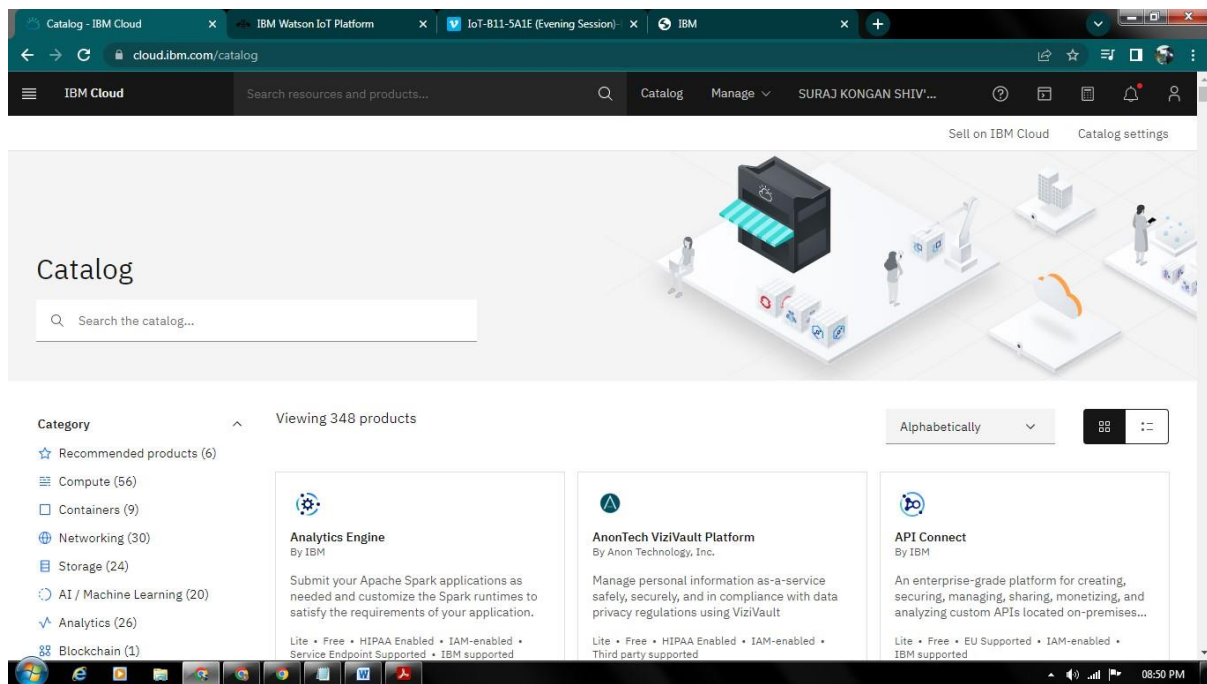
1. First create an IBM cloud account with IBMid and password



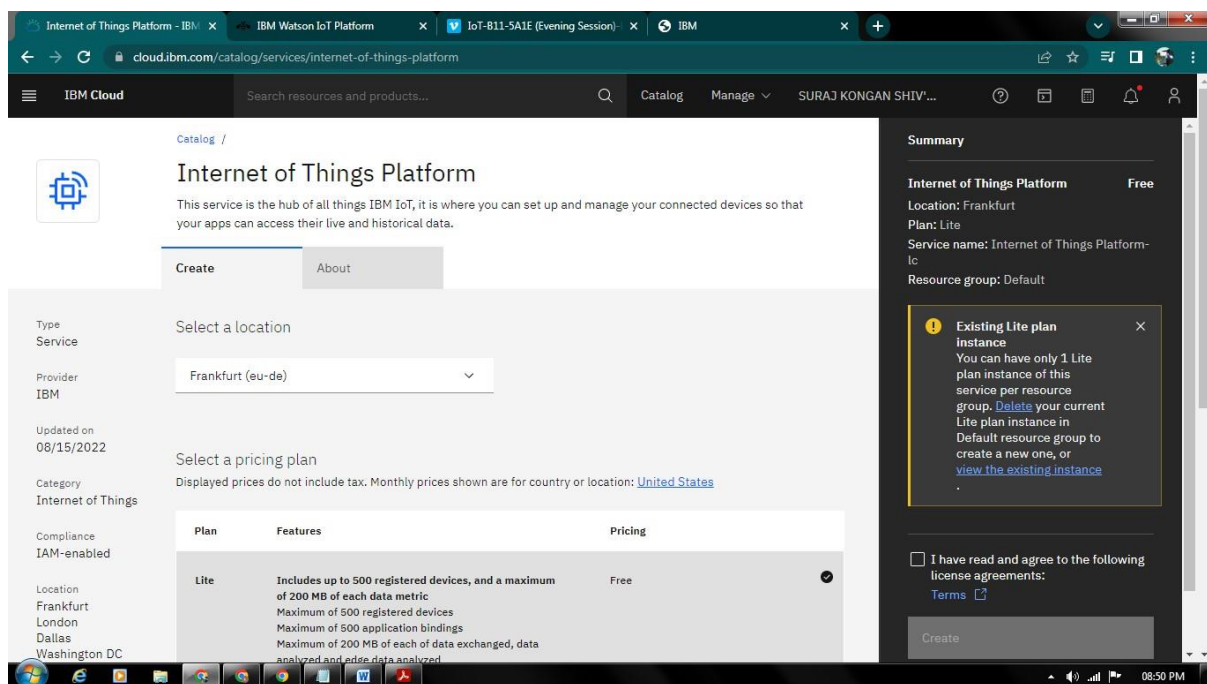
2. Home page of IBM cloud



3. Click on the catalog on the top. Search for INTERNET OF THINGS PLATFORM

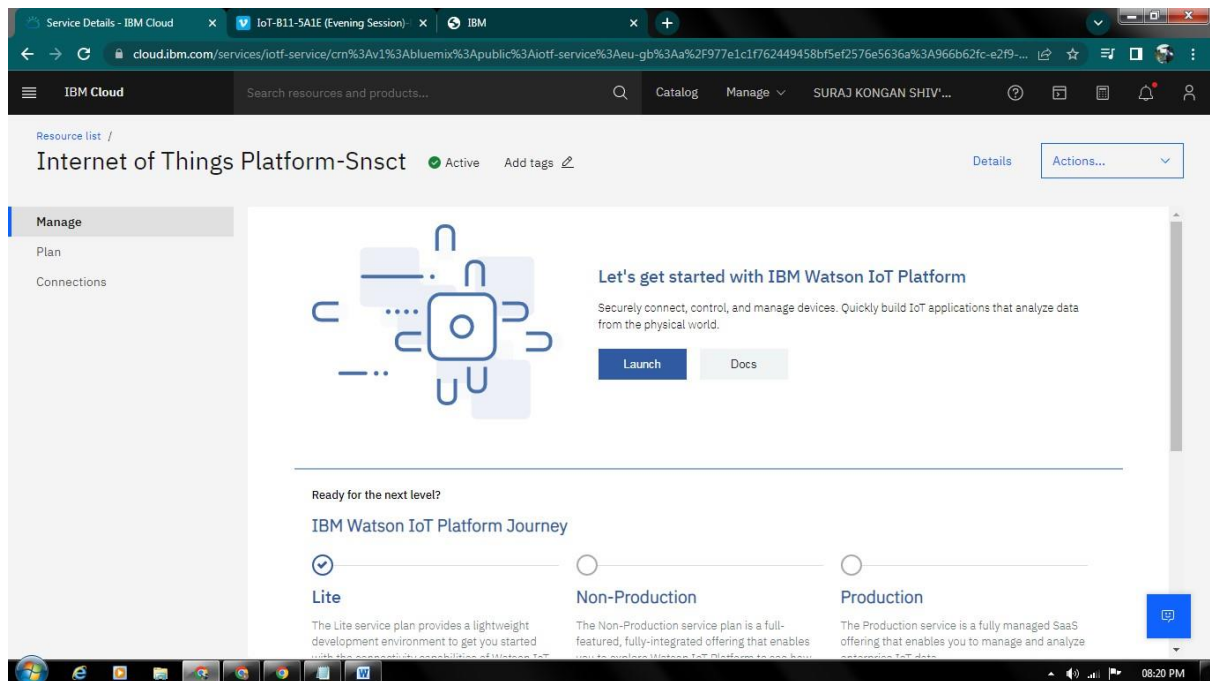


4. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create

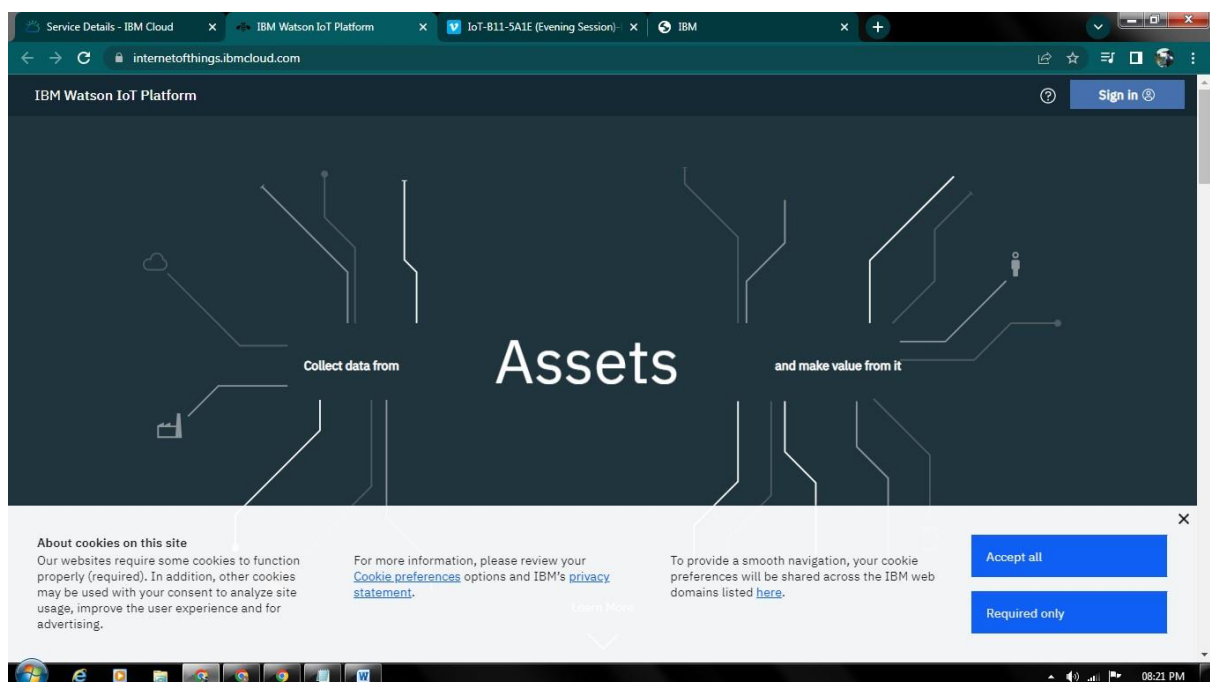


5. Internet of Things Platform Child_safety will be created, where there are different options like manage, plan, and connection (manage is for launch,

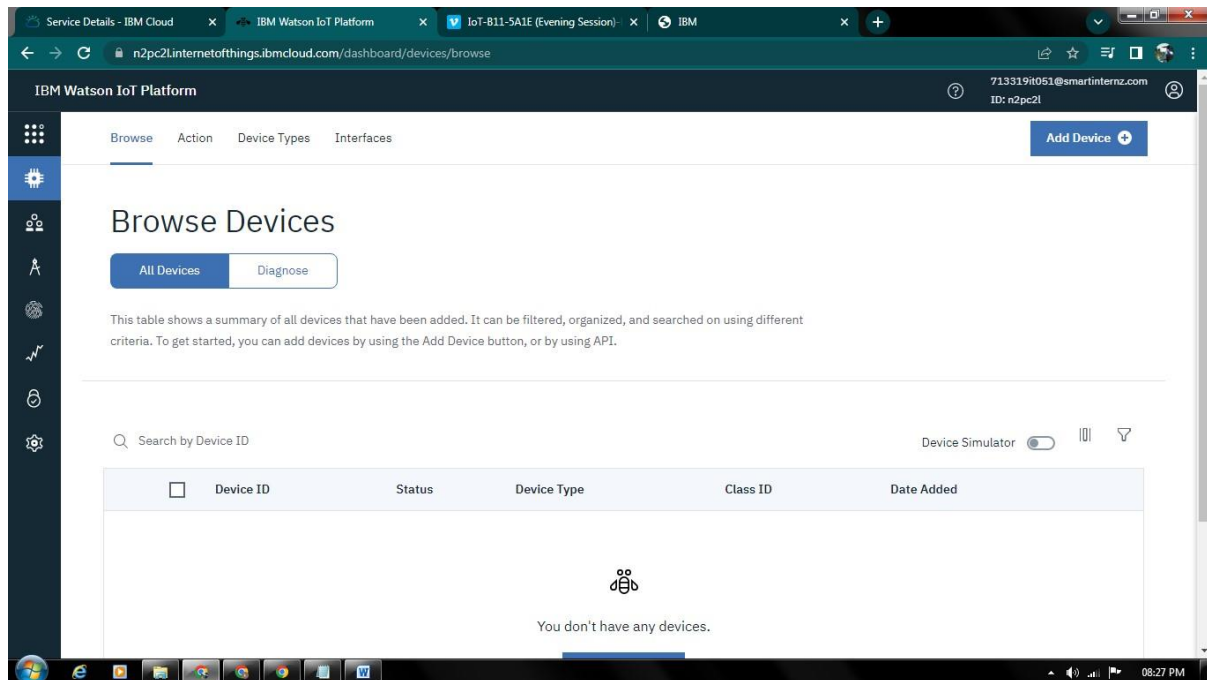
Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other servies) .Click on launch.



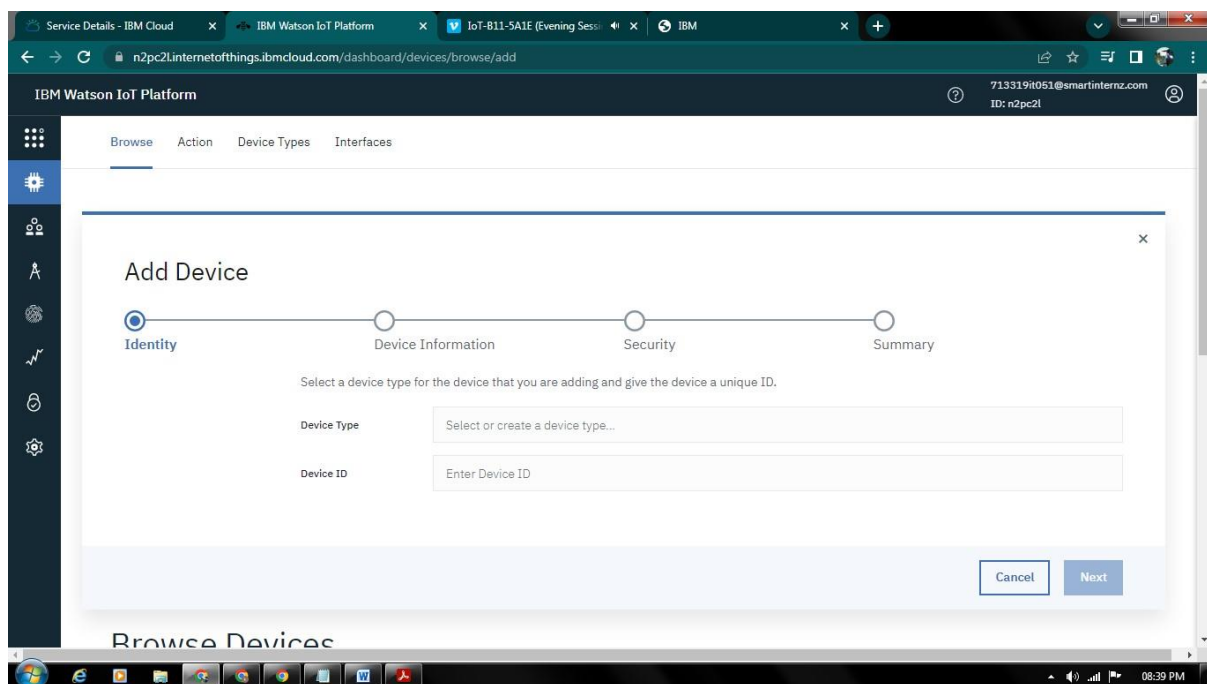
- Now you need to sign in. Enter the details to sign in to the Watson Cloud to create a device.



7. 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



8. Click on the device tab and click on the add device button, then give the device type and device id and click next



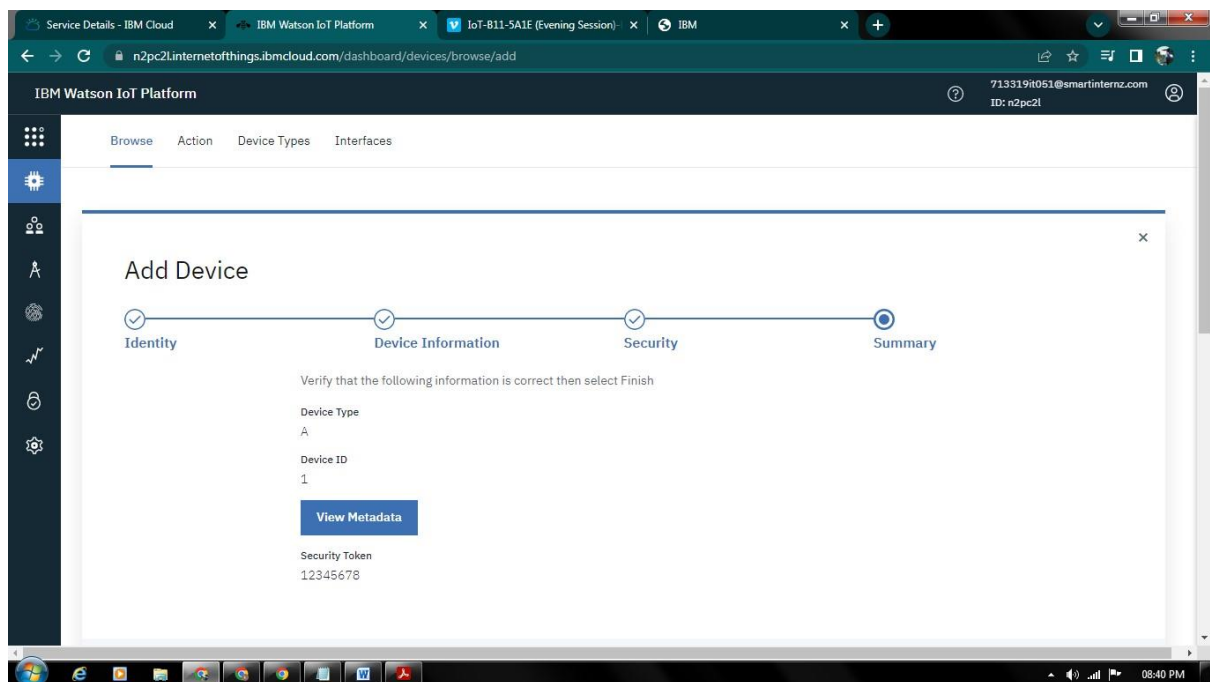
9. This page to enter extra details and of the hardware

The screenshot shows the 'Add Device' page in the IBM Watson IoT Platform. The page is titled 'Browse Devices' and has a navigation bar with 'Browse', 'Action', 'Device Types', and 'Interfaces'. The main content area is divided into four steps: 'Identity' (checked), 'Device Information' (active), 'Security', and 'Summary'. Under 'Device Information', there is a form with the following fields: 'Serial Number' (placeholder: Enter Serial Number), 'Model' (placeholder: Enter Model), 'Description' (placeholder: Enter Description), 'Hardware Version' (placeholder: Enter Hardware Version), 'Manufacturer' (placeholder: Enter Manufacturer), 'Device Class' (placeholder: Enter Device Class), 'Firmware Version' (placeholder: Enter Firmware Version), and 'Descriptive Location' (placeholder: Enter Descriptive Location). There is an 'Add Metadata' button with a plus icon. At the bottom right, there are 'Back' and 'Next' buttons. The browser address bar shows 'n2pc2l.internetofthings.ibmcloud.com/dashboard/devices/browse/add'.

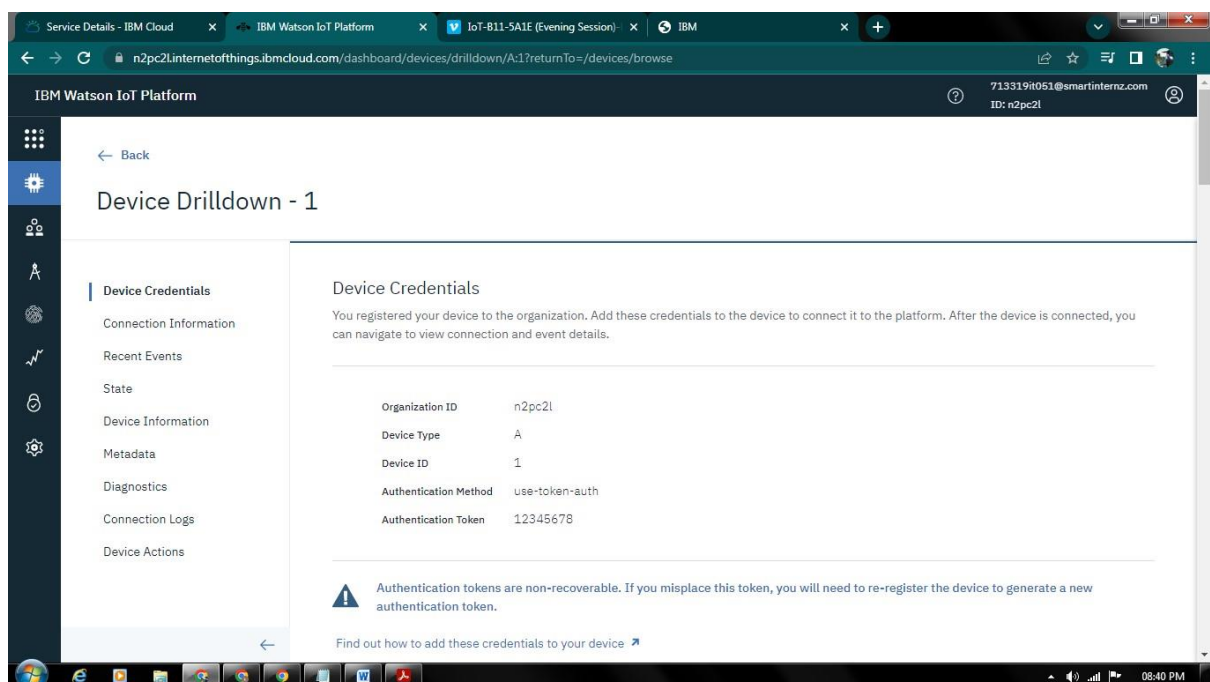
10. Clicking next it goes to the security where we do authentication token id.

The screenshot shows the 'Add Device' page in the IBM Watson IoT Platform, Step 3: Security. The page is titled 'Browse Devices' and has a navigation bar with 'Browse', 'Action', 'Device Types', and 'Interfaces'. The main content area is divided into four steps: 'Identity' (checked), 'Device Information' (checked), 'Security' (active), and 'Summary'. Under 'Security', there are two options for selecting a device authentication token: 'Auto-generated authentication token (default)' and 'Self-provided authentication token'. The 'Auto-generated authentication token (default)' option is selected. It includes a description: '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.' Below this, there is an 'Authentication Token' field with a placeholder 'Enter an optional token' and an information icon. A note below the field states: 'Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.' Another note below states: 'Authentication token are encrypted before we store them.' The 'Self-provided authentication token' option includes a description: 'Provide your own authentication token for this device. The token must be between 8 and 36 characters and contain a mix 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.' At the bottom right, there are 'Back' and 'Next' buttons. The browser address bar shows 'n2pc2l.internetofthings.ibmcloud.com/dashboard/devices/browse/add'.

11. Clicking on next it goes to the summary of the device then click finish



12. The device credentials will be displayed with all the details. Save the details of the device as the authentication tokens are non-recoverable and if misplaced then we have to create a new one.



13. Clicking on the device tab we can now see the added device. Clicking on it will display the other details.

It has different tabs like Identity, Device Information, State and login.

Service Details - IBM Cloud | IBM Watson IoT Platform | IoT-B11-5A1E (Evening Sess... | IBM

n2pc2l.internetofthings.ibmcloud.com/dashboard/devices/browse

7133198051@smartinternz.com
ID: n2pc2l

IBM Watson IoT Platform

Browse | Action | Device Types | Interfaces

Add Device +

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.

Search by Device ID

Device Simulator ☒

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
> <input type="checkbox"/>	1	Disconnected	A	Device	Oct 29, 2022 8:41 PM

Items per page: 50 | 1-1 of 1 item

1 of 1 page

0 Simulations running

08:42 PM