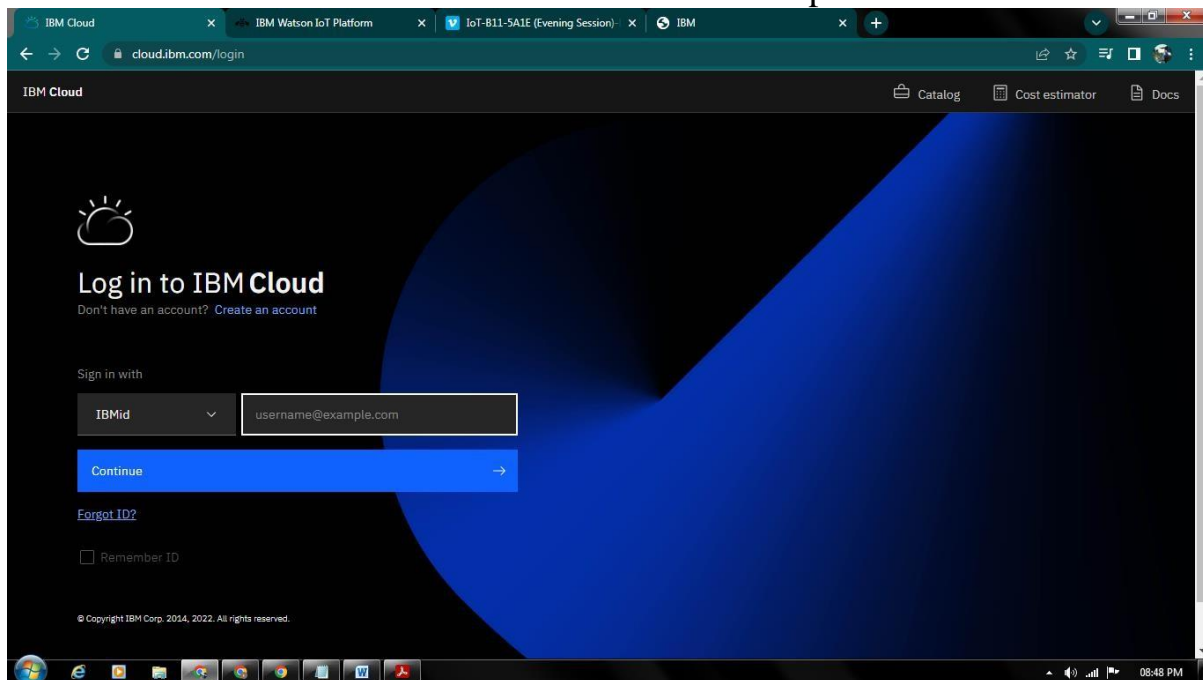


CREATE IBM WATSON IOT PLATFORM AND DEVICE

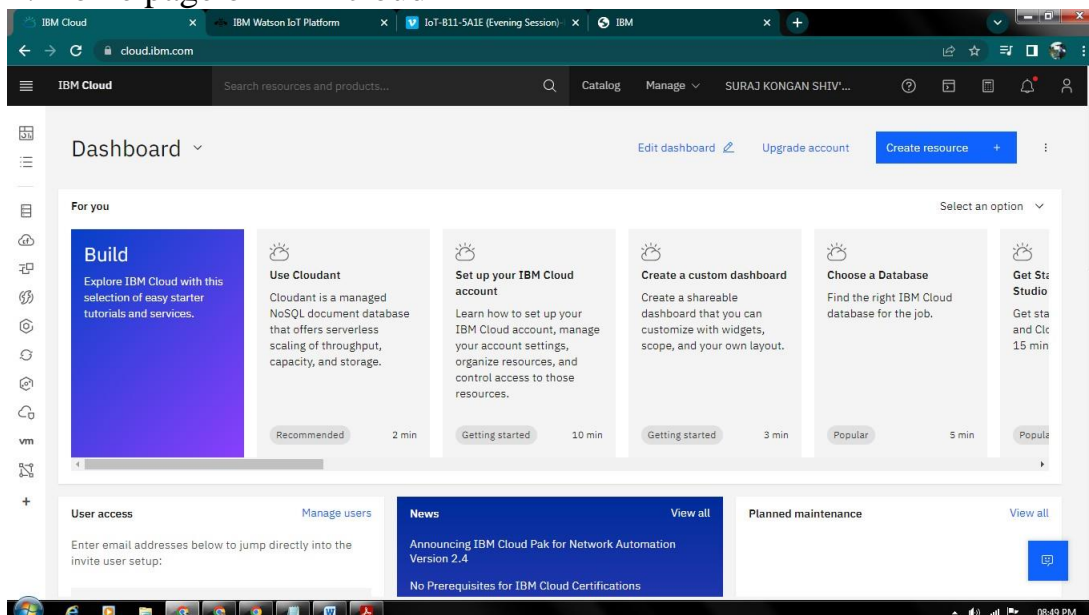
Date	26-October-2022
Team ID	PNT2022TMID37792
Project Name	Project - IOT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks

STEPS:

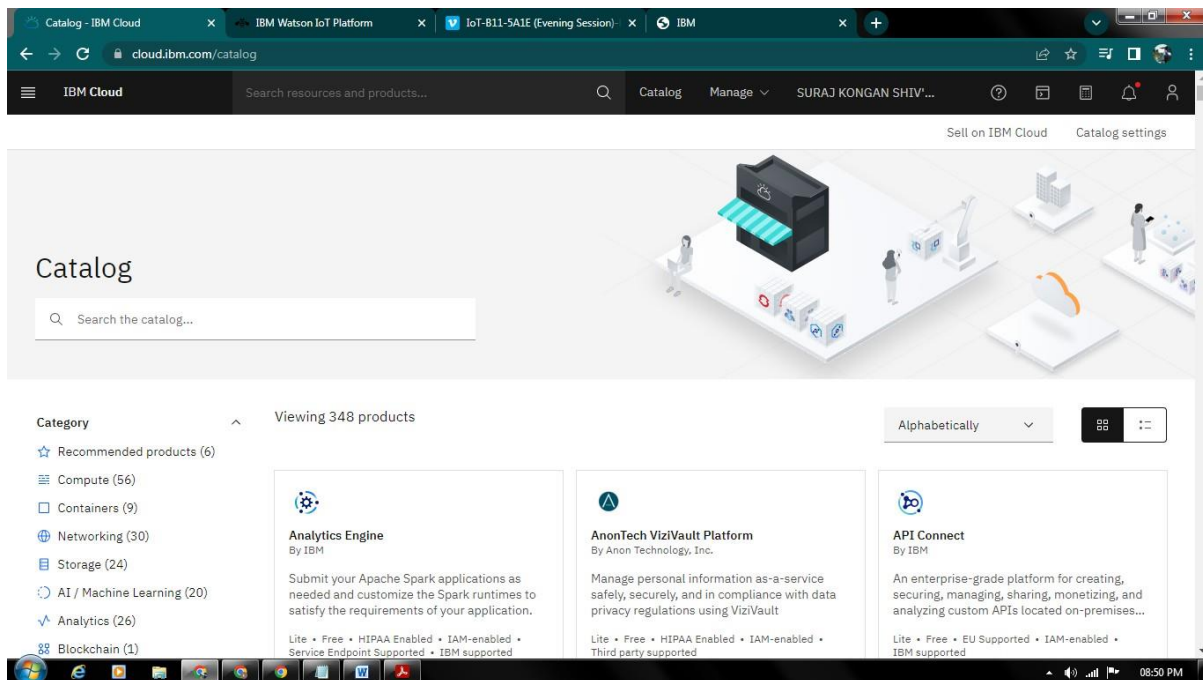
1. First create an IBM cloud account with IBMid and password



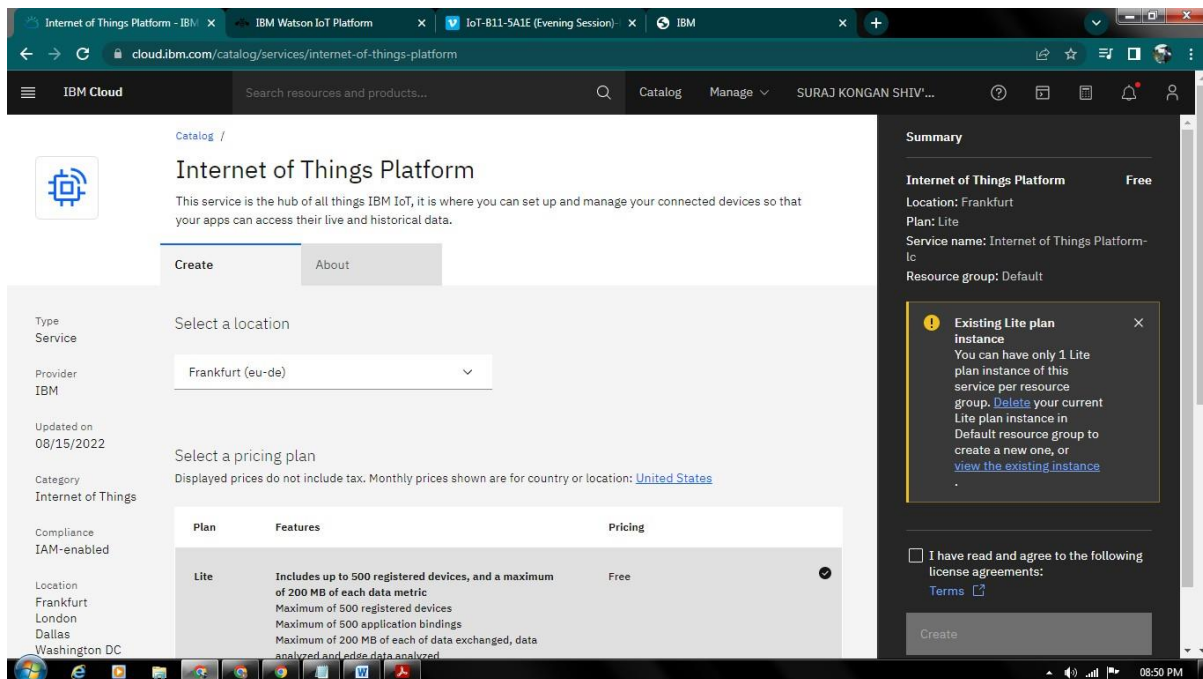
2. Home page of IBM cloud



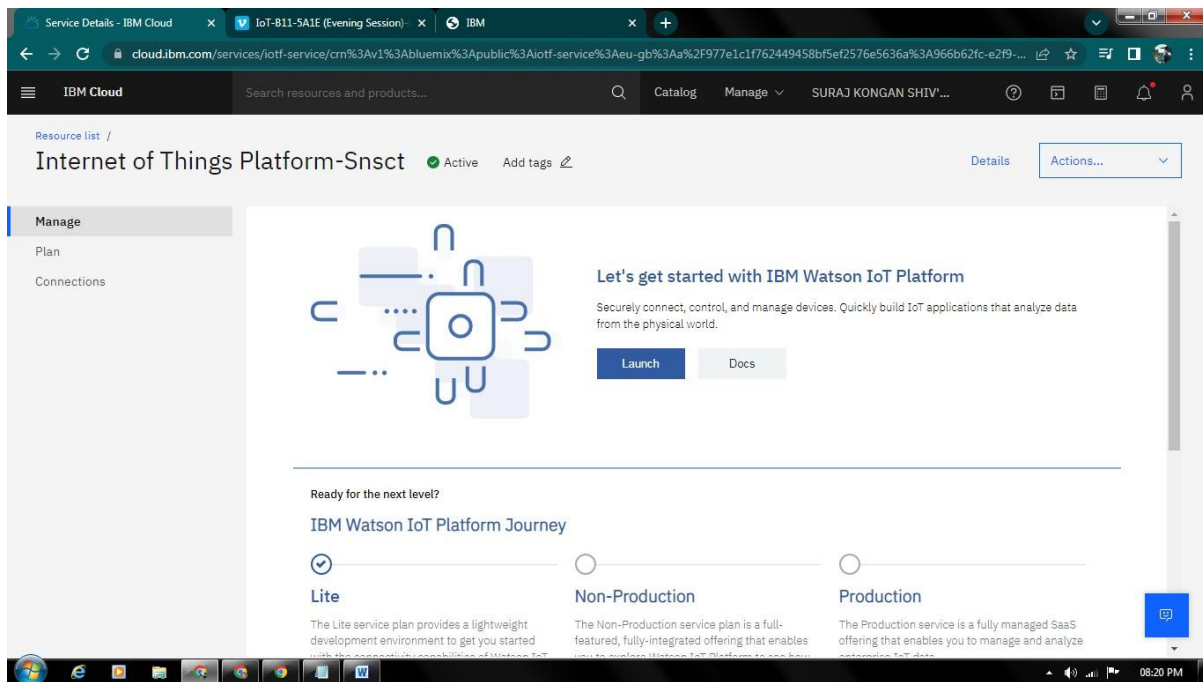
3. Click on the catalog on the top. Search for INTERNET OF THINGS PLATFORM



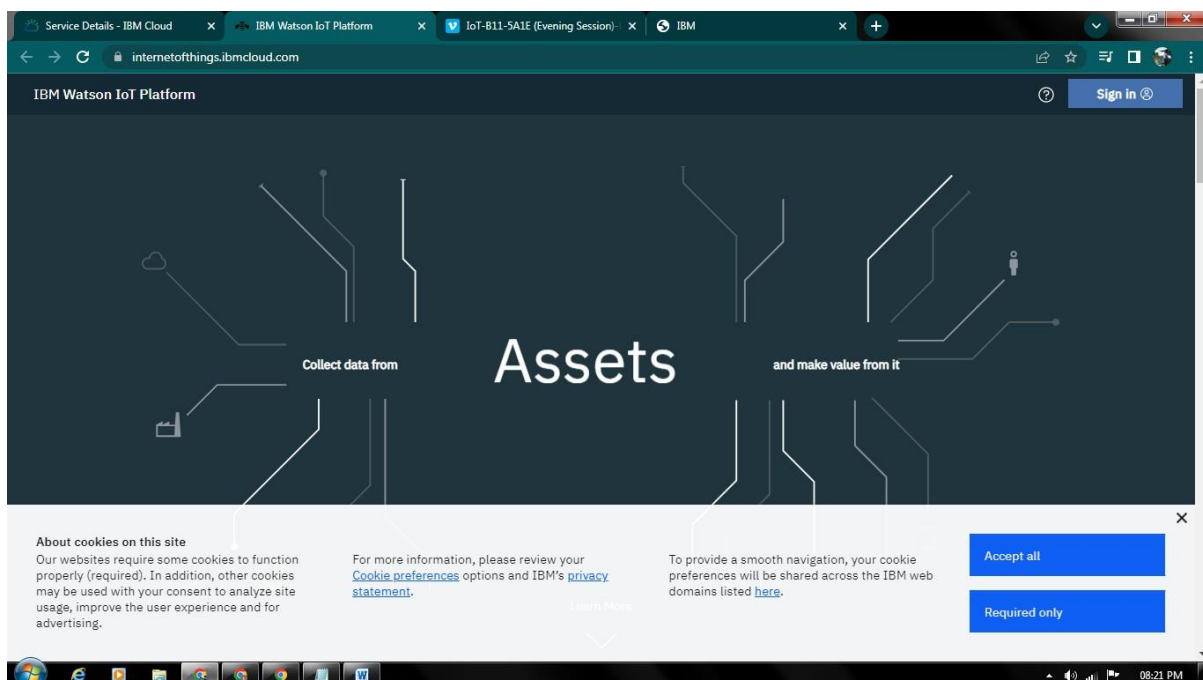
4. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create



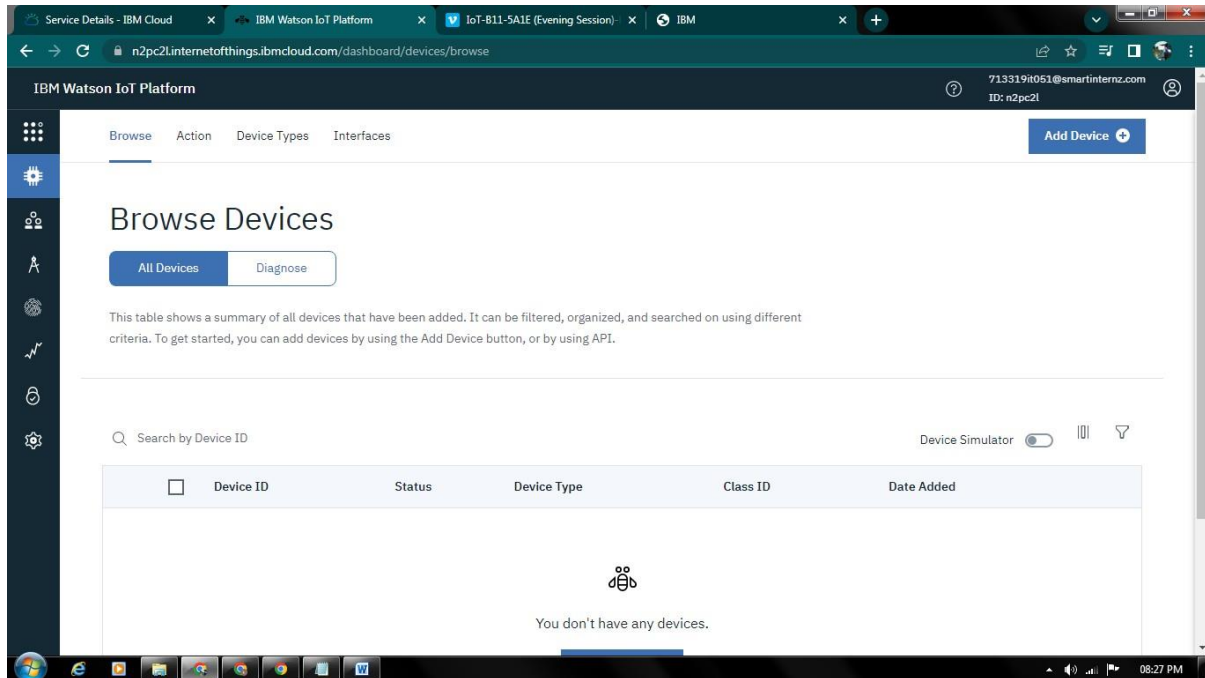
5. Internet of Things Platform Child_safety will be created, where there are different options like manage, plan, and connection (manage is for launch, Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services) .Click on launch.



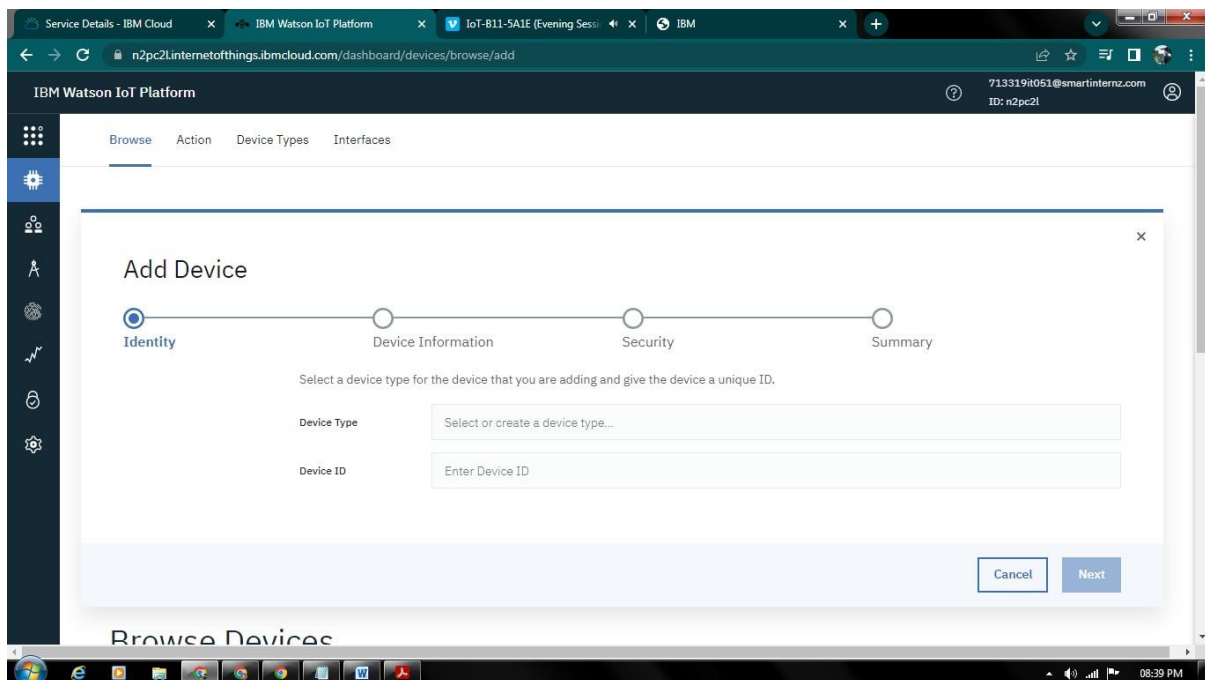
6. Now you need to sign in. Enter the details to sign in to the Watson Cloud to create a device.



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 'Device Information' step in the IBM Watson IoT Platform device registration process. The breadcrumb trail is 'Browse > Action > Device Types > Interfaces'. The progress bar shows 'Identity' as completed, 'Device Information' as the current step, and 'Security' and 'Summary' as upcoming steps. The main content area contains a form with the following fields:

Field	Input
Serial Number	Enter Serial Number
Model	Enter Model
Description	Enter Description
Hardware Version	Enter Hardware Version
Manufacturer	Enter Manufacturer
Device Class	Enter Device Class
Firmware Version	Enter Firmware Version
Descriptive Location	Enter Descriptive Location

Below the form is an 'Add Metadata' button with a plus icon. At the bottom right are 'Back' and 'Next' buttons. The page title is 'Browse Devices'.

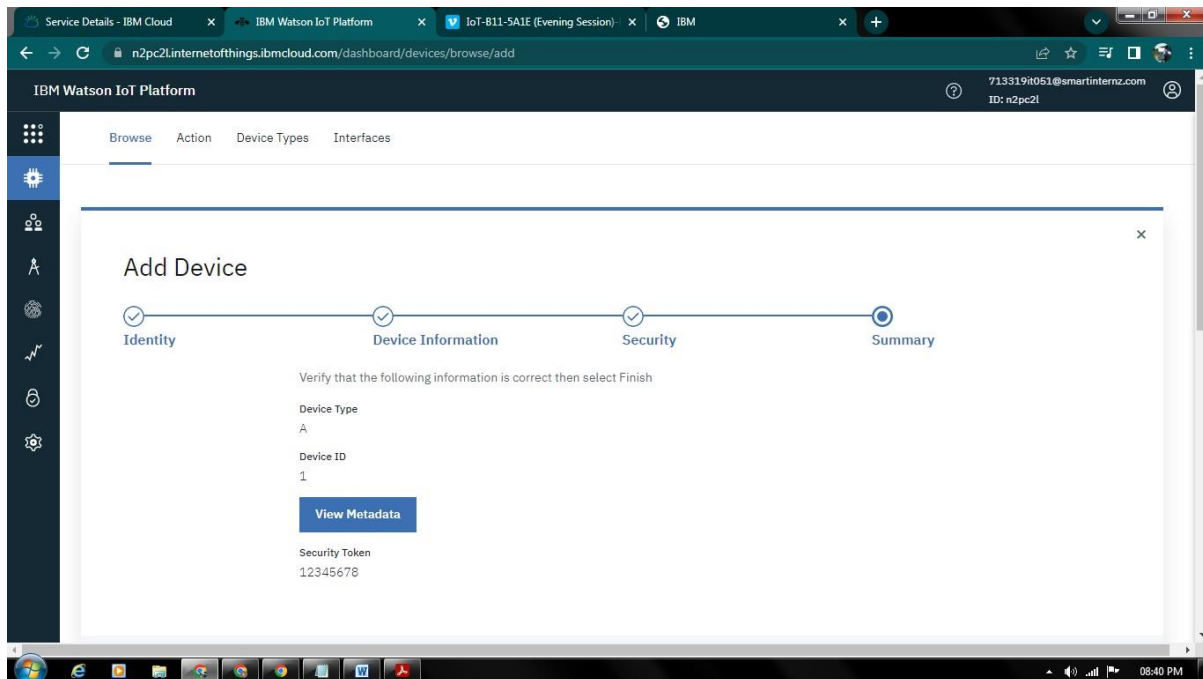
10. Clicking next it goes to the security where we do authentication token id.

The screenshot shows the 'Security' step in the IBM Watson IoT Platform device registration process. The breadcrumb trail is 'Browse > Action > Device Types > Interfaces'. The progress bar shows 'Identity' and 'Device Information' as completed, 'Security' as the current step, and 'Summary' as the final step. The main content area is titled 'There are two options for selecting a device authentication token.' and contains two sections:

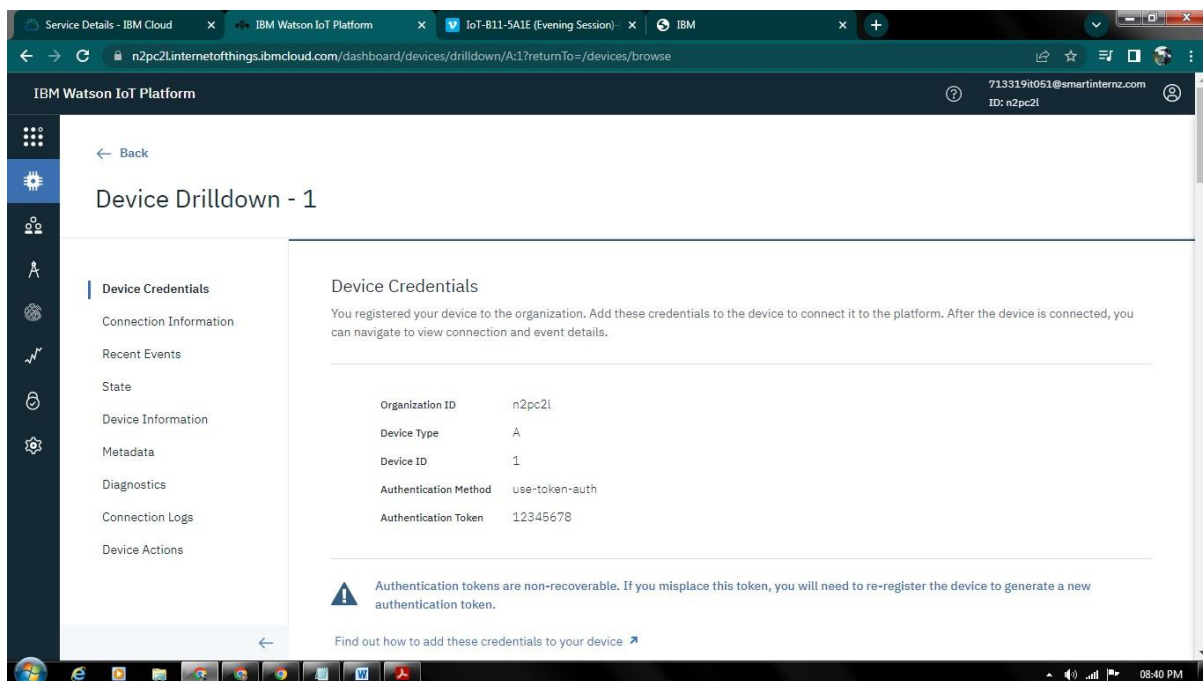
- Auto-generated authentication token (default)**
Allow the service to generate an authentication token for you. Tokens are 18 characters and contain a mix of alphanumeric characters and symbols. The token is returned to you at the end of the device registration process.
- Self-provided authentication 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.

Below these sections is an 'Authentication Token' input field with the placeholder text 'Enter an optional token'. Below the input field is a note: 'Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.' and a statement: 'Authentication token are encrypted before we store them.'

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.

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. The 'Browse' tab is active, showing the 'Browse Devices' page. The page features a search bar labeled 'Search by Device ID' and a 'Device Simulator' toggle switch. Below the search bar is a table with the following columns: Device ID, Status, Device Type, Class ID, and Date Added. The table contains one row with the following data: Device ID 1, Status Disconnected, Device Type A, Class ID Device, and Date Added Oct 29, 2022 8:41 PM. The page also includes a '1 of 1 page' indicator and a '0 Simulations running' status box.

Device ID	Status	Device Type	Class ID	Date Added
1	Disconnected	A	Device	Oct 29, 2022 8:41 PM