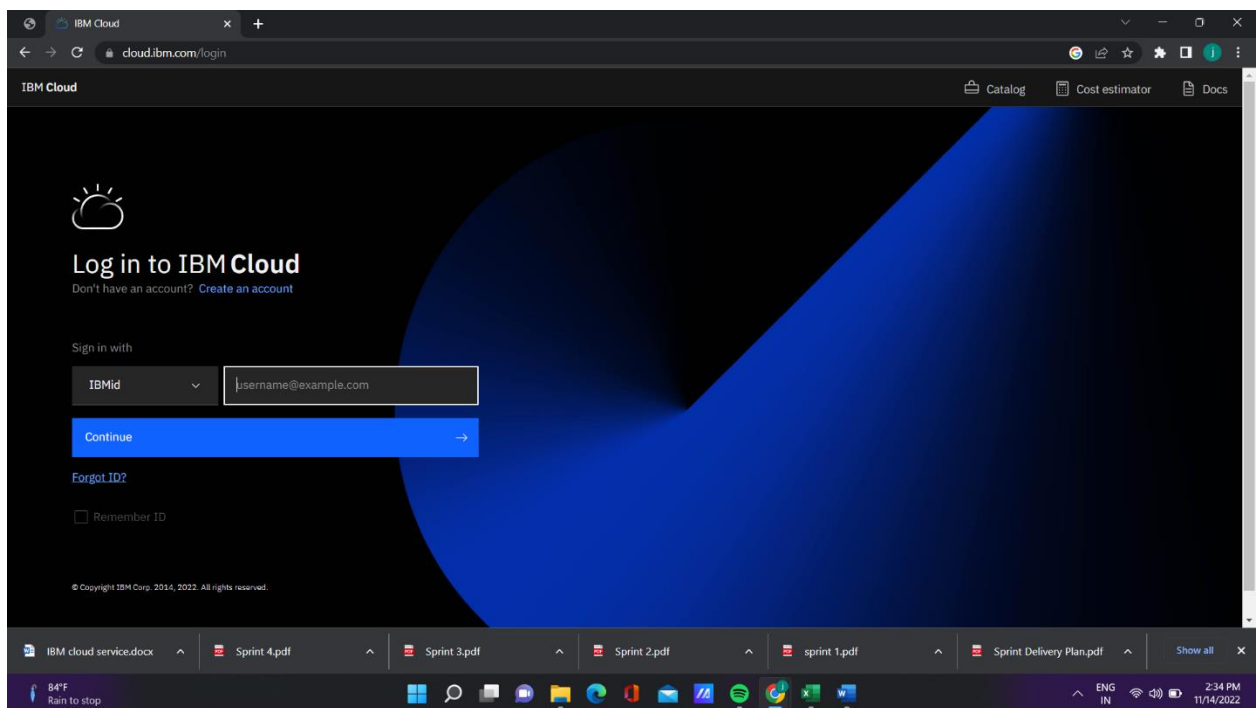


CREATE IBM WATSON IOT PLATFORM AND DEVICE

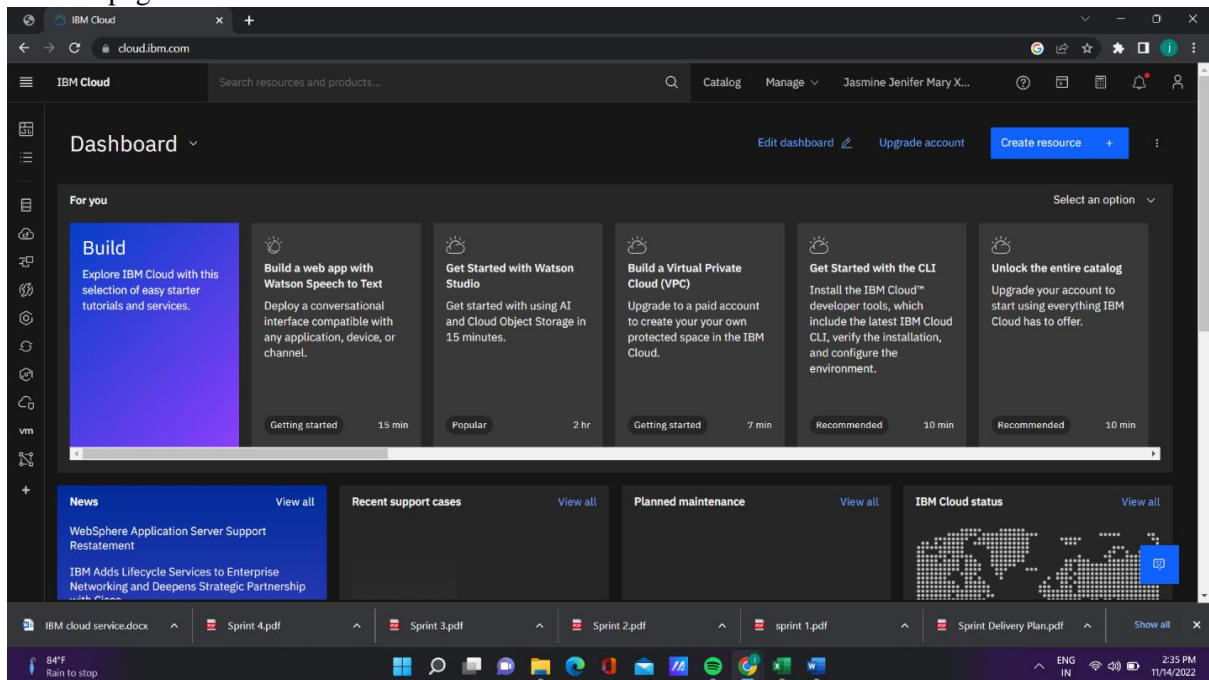
Date	16 November 2022
Team ID	PNT2022TMID38017
Project Name	IOT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks

STEPS:

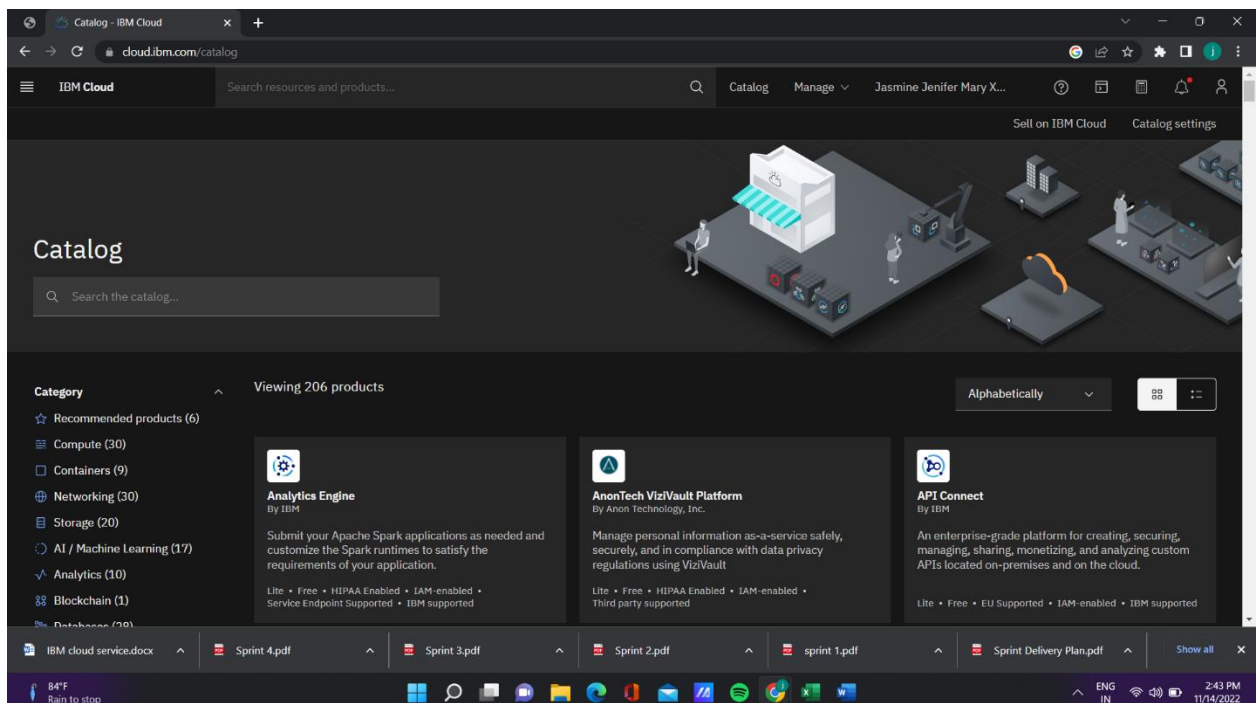
1.First create an IBM cloud account with IBMid and password



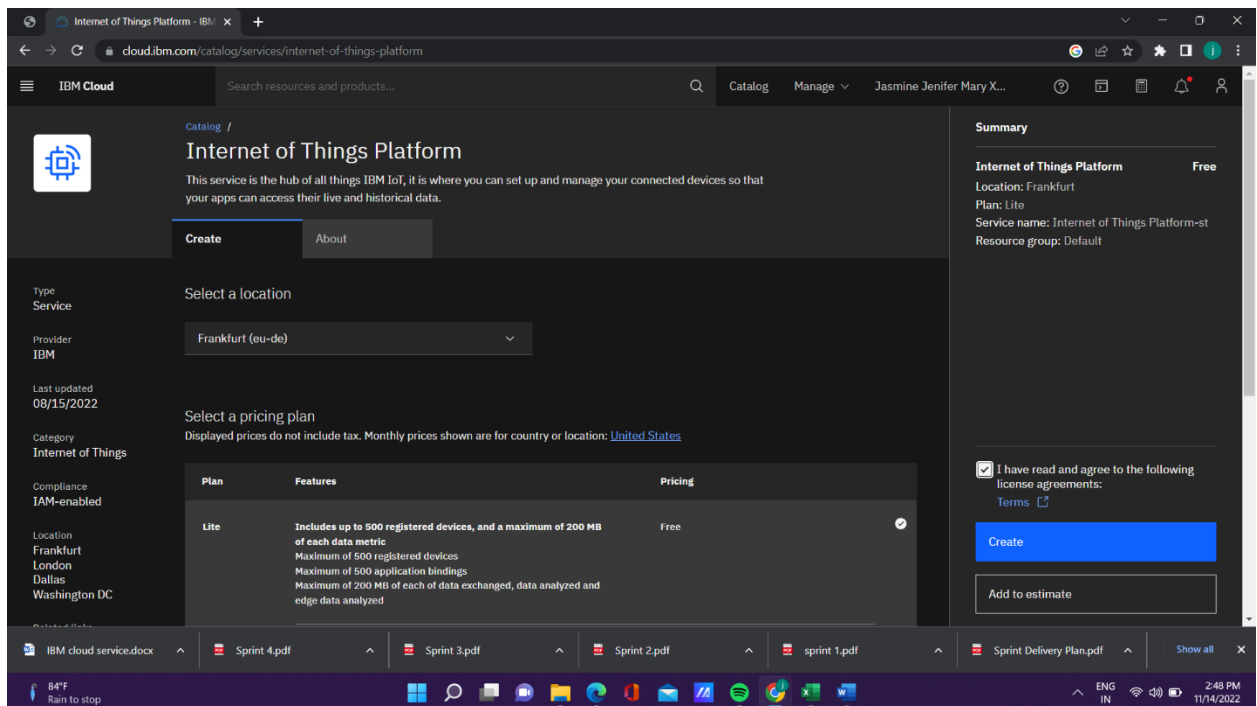
2. Homepage of IBM cloud



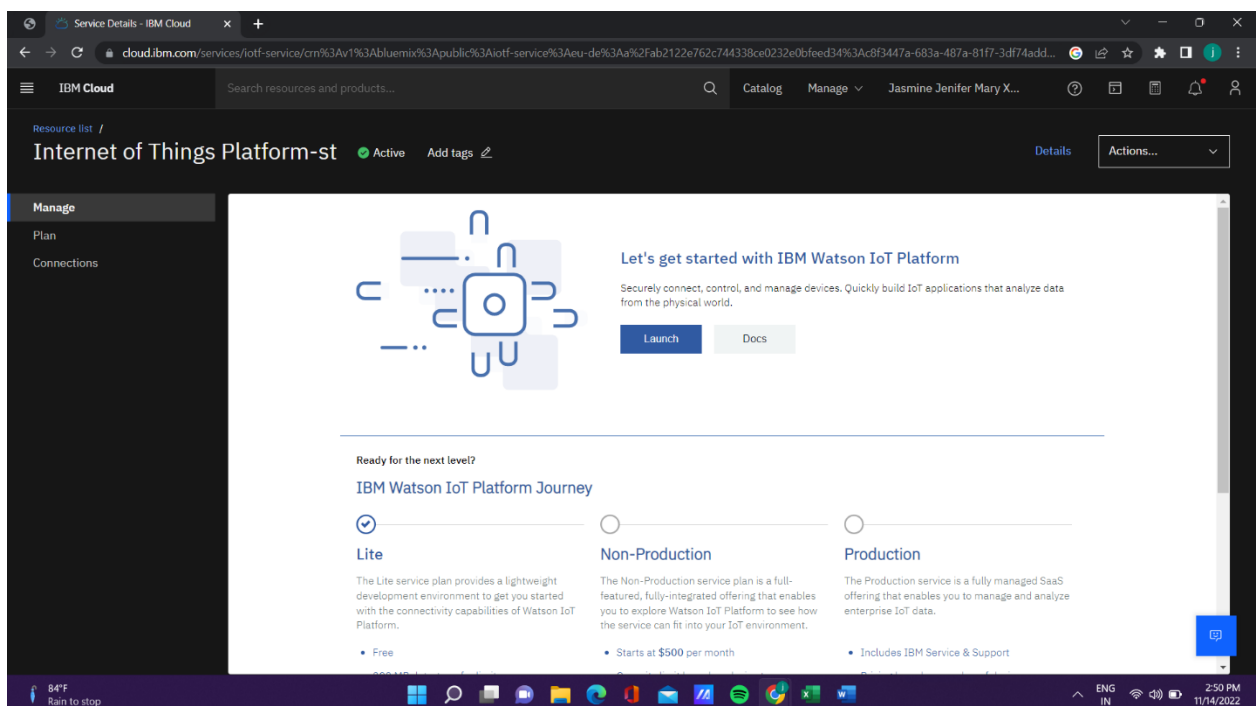
3. Click on the catalog on the top. Search for INTERNET OF THINGS PLATFORM



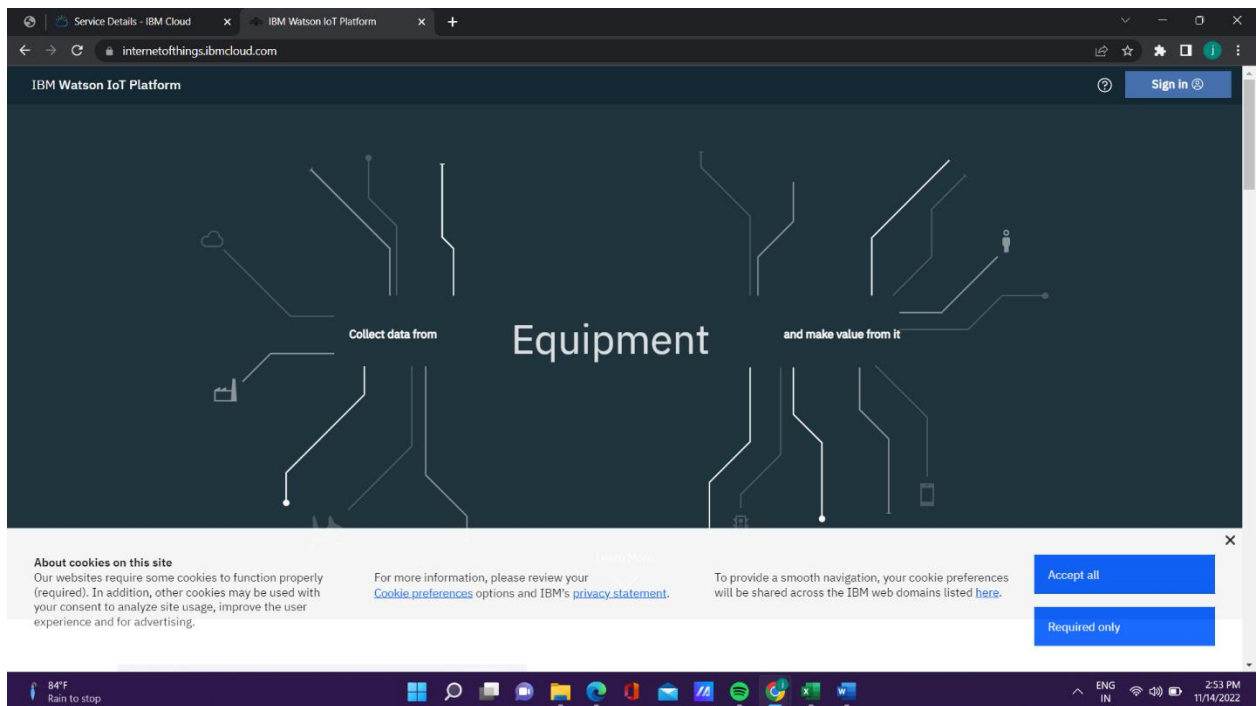
4. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create



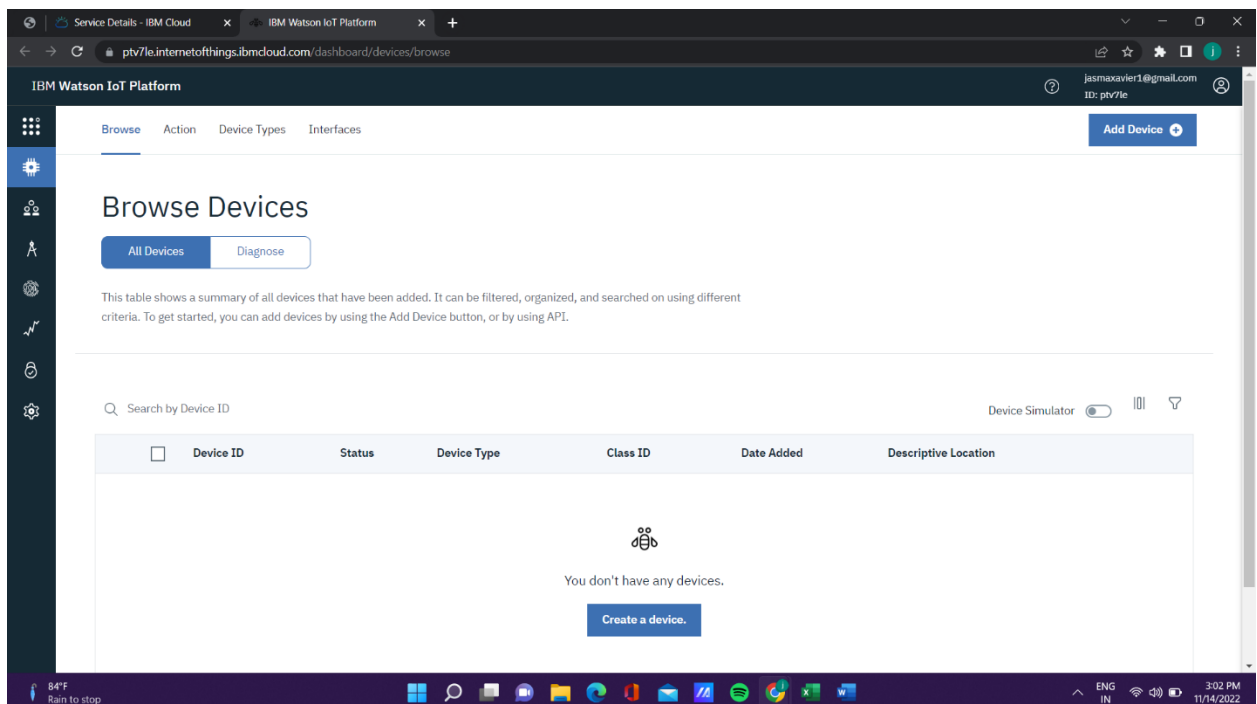
5. Internet of Things Platform Child_safety will be created, where there are different options like manage, plan, and connection (manage is for launch, Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other servies) .Click on launch.



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



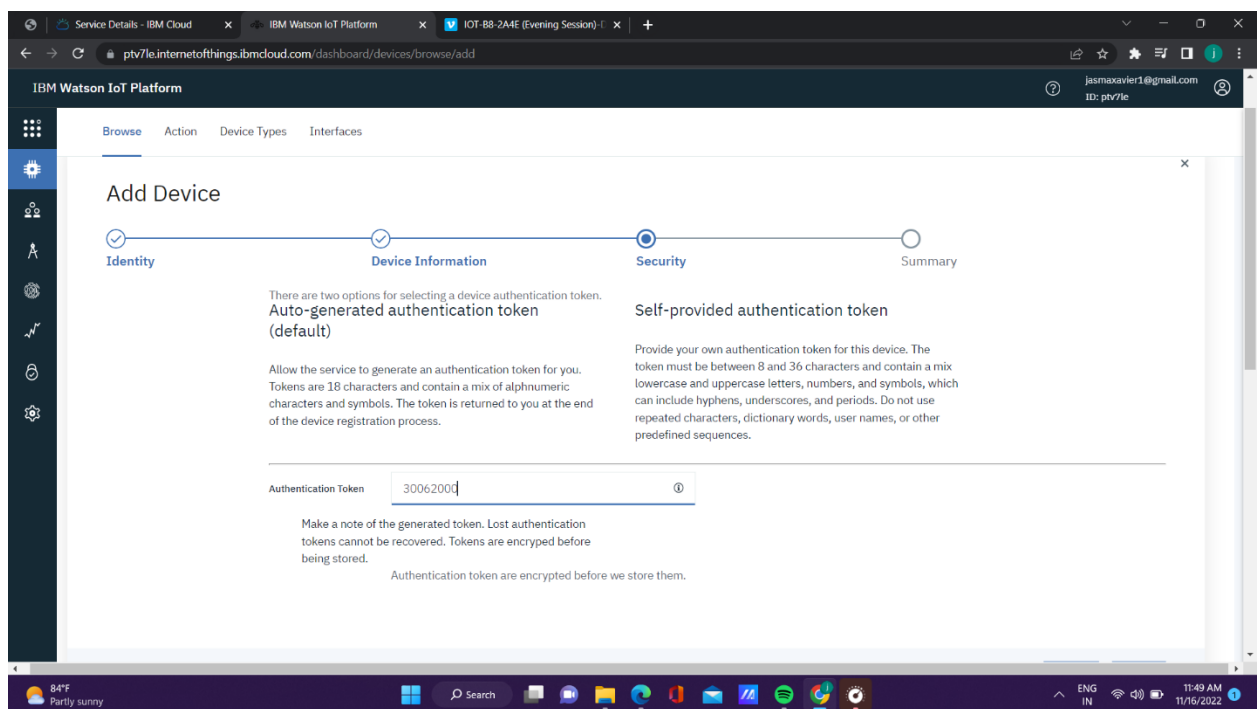
8. Click on the device tab and click on the add device button, then give the device type and device id and click next

The screenshot shows the 'Add Device' dialog in the IBM Watson IoT Platform. The 'Identity' step is selected in the progress bar. Below the progress bar, there is a text prompt: 'Select a device type for the device that you are adding and give the device a unique ID.' There are two input fields: 'Device Type' with a dropdown menu showing 'Select or create a device type...' and 'Device ID' with a text input field showing 'Enter Device ID'. At the bottom right of the dialog are 'Cancel' and 'Next' buttons. Below the dialog, the 'Browse Devices' section is visible with 'All Devices' and 'Diagnose' buttons.

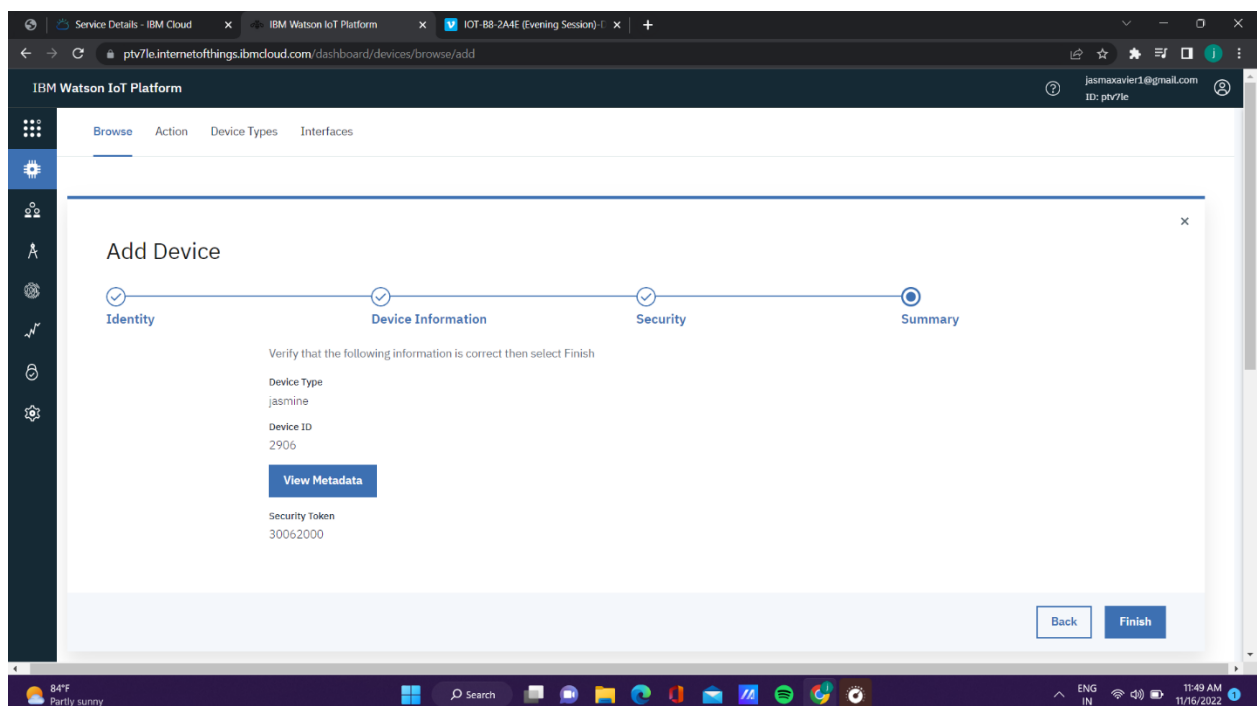
9. This page to enter extra details and of the hardware

The screenshot shows the 'Add Device' dialog in the IBM Watson IoT Platform, now at the 'Device Information' step. The progress bar shows 'Identity' as completed and 'Device Information' as the current step. The text prompt reads: 'You can modify the default device information and enter more information about the device for identification purposes.' There are two columns of input fields. The left column includes 'Serial Number' (Enter Serial Number), 'Model' (Enter Model), 'Description' (Enter Description), and 'Hardware Version' (Enter Hardware Version). The right column includes 'Manufacturer' (Enter Manufacturer), 'Device Class' (Enter Device Class), 'Firmware Version' (Enter Firmware Version), and 'Descriptive Location' (Enter Descriptive Location). Below the left column is an 'Add Metadata' button with a plus icon. At the bottom right of the dialog are 'Back' and 'Next' buttons.

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



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.

The screenshot shows the 'Device Drilldown - 2906' page in the IBM Watson IoT Platform. The left sidebar contains a navigation menu with options like 'Back', 'Device Credentials', 'Connection Information', 'Recent Events', 'State', 'Device Information', 'Metadata', 'Diagnostics', 'Connection Logs', and 'Device Actions'. The main content area is titled 'Device Credentials' and includes a warning: 'Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.' Below the warning is a link to 'Find out how to add these credentials to your device'.

Organization ID	Device Type	Device ID	Authentication Method	Authentication Token
ptv7le	jasmine	2906	use-token-auth	30062000

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 shows the 'Browse Devices' page in the IBM Watson IoT Platform. The page has tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. Below the tabs is a search bar and a 'Device Simulator' toggle. The main content area is a table listing devices. The table has columns for 'Device ID', 'Status', 'Device Type', 'Class ID', 'Date Added', and 'Descriptive Location'. The table shows one device with ID 2906, status 'Disconnected', and type 'jasmine'. Below the table is a pagination bar showing '1 of 1 page'.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
2906	Disconnected	jasmine	Device	Nov 16, 2022 11:49 AM	