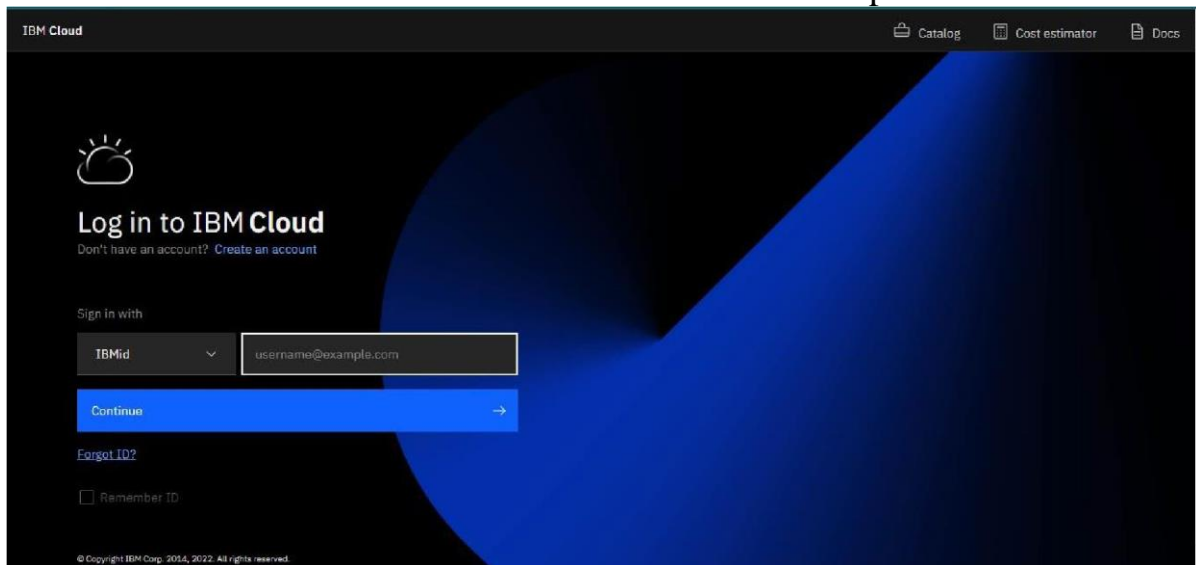


CREATE IBM WATSON IOT PLATFORM AND DEVICE

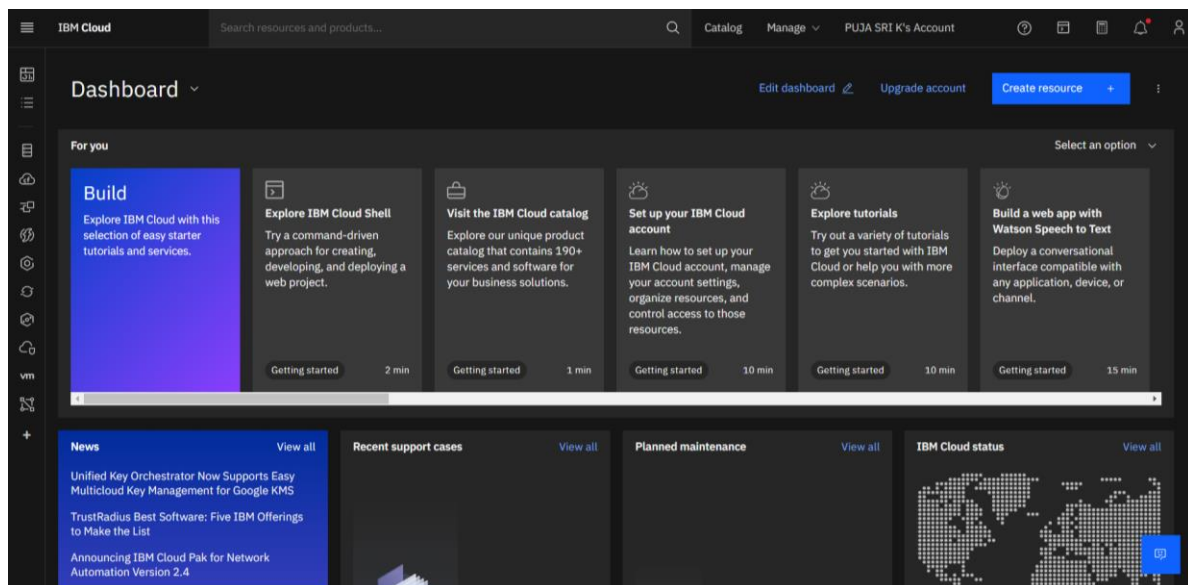
Team ID	PNT2022TMID32775
Project Name	Project - IOT based safety gadget for child safety monitoring and notification

STEPS:

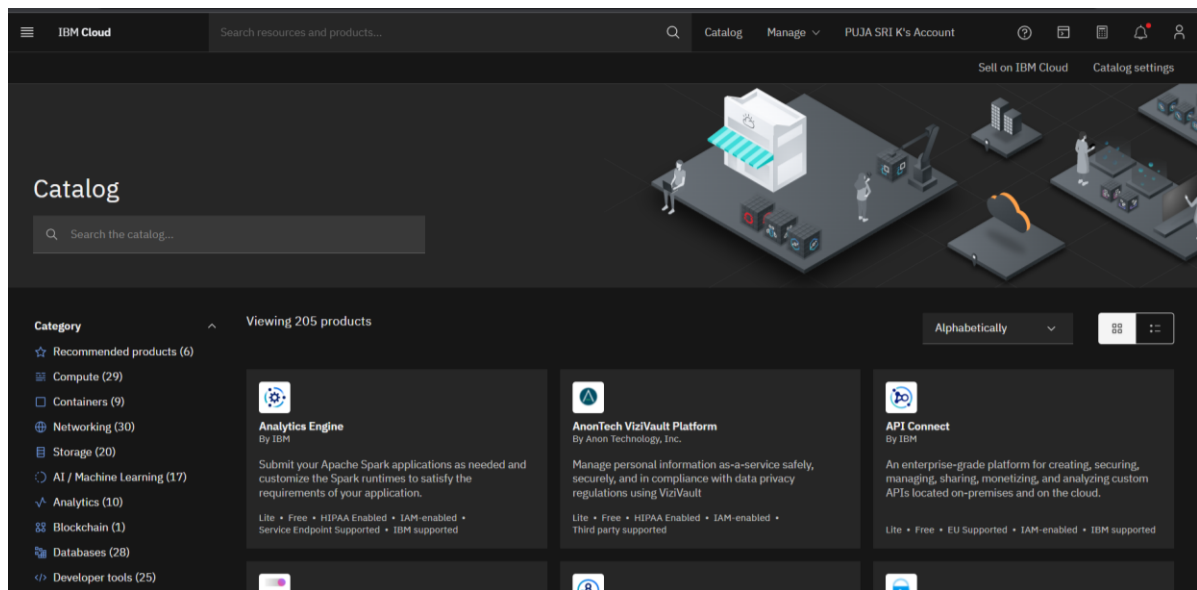
1. First create an IBM cloud account with IBMid and password



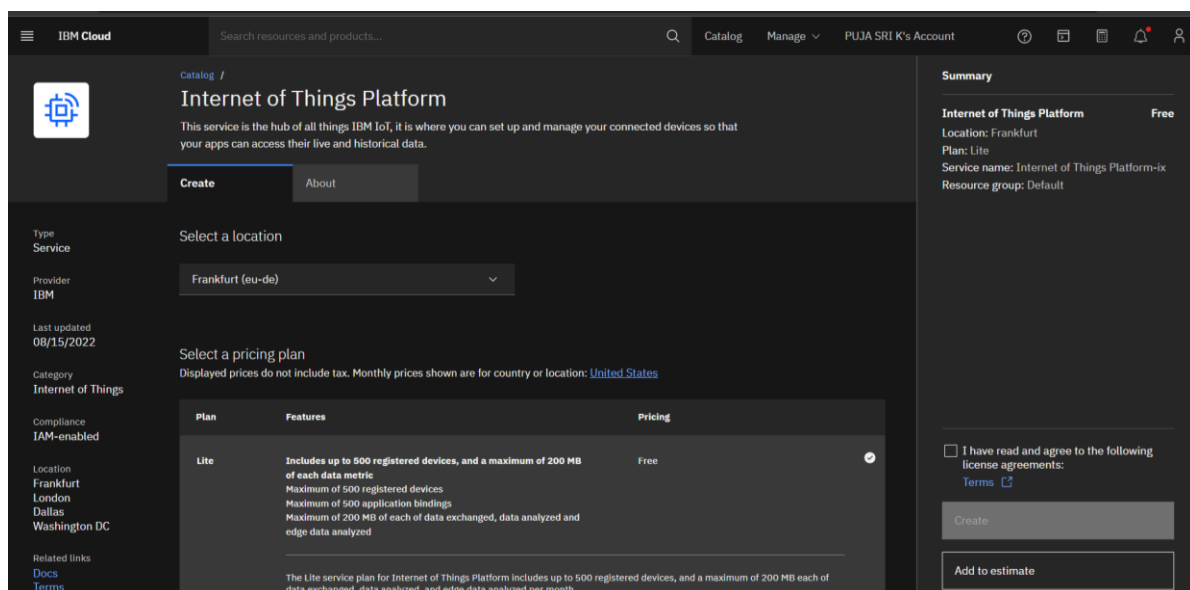
2. Home page of IBM cloud



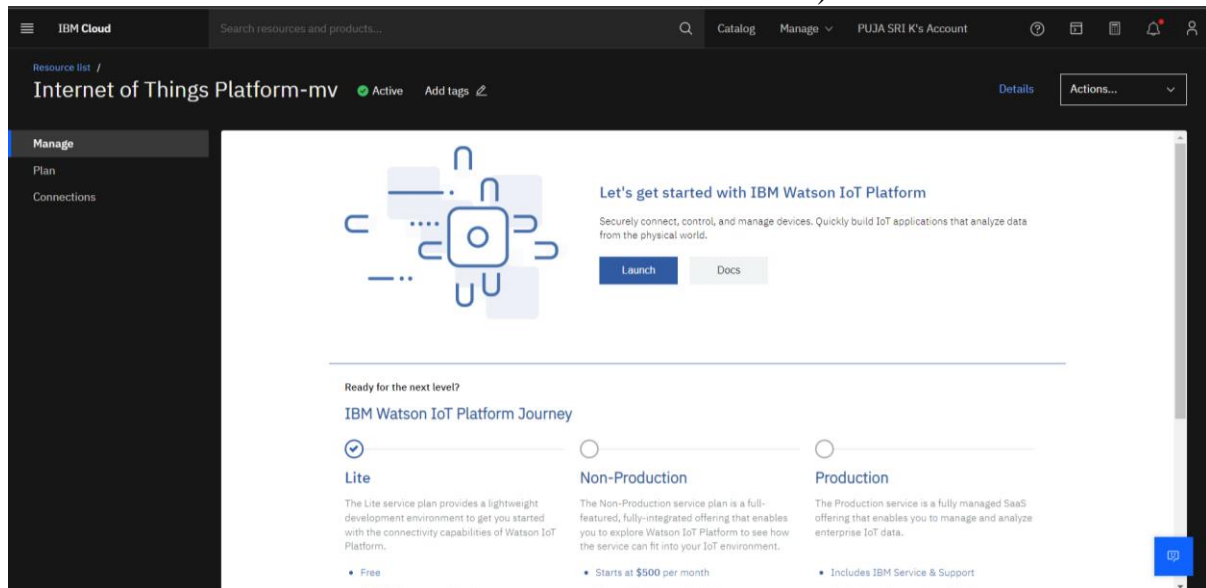
3. Click on the catalog on the top. Search for INTERNET OF THINGS PLATFORM



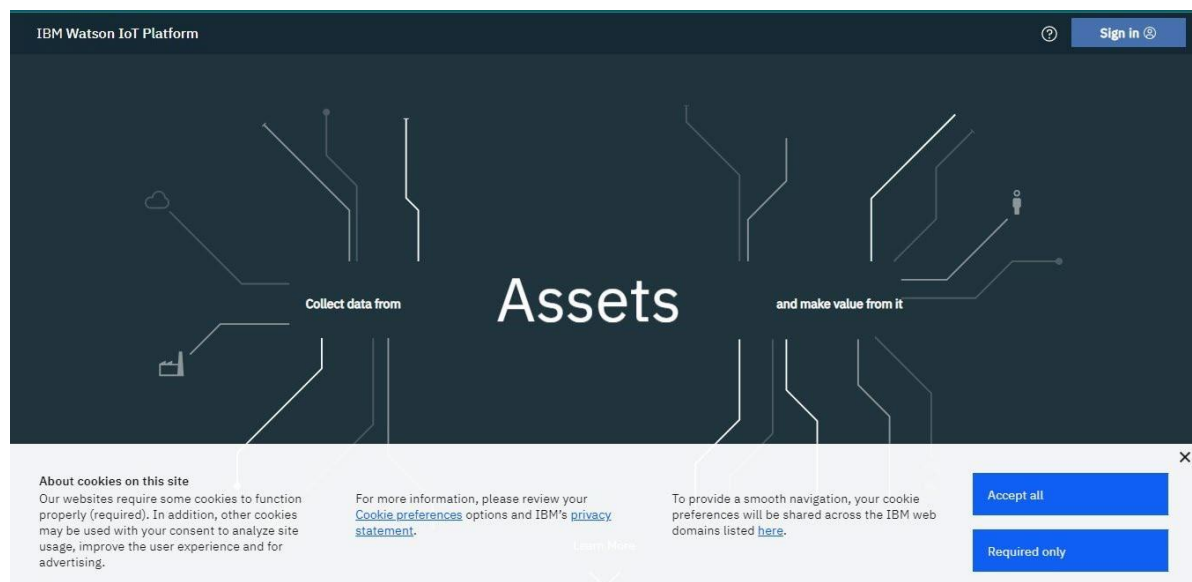
4. Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create



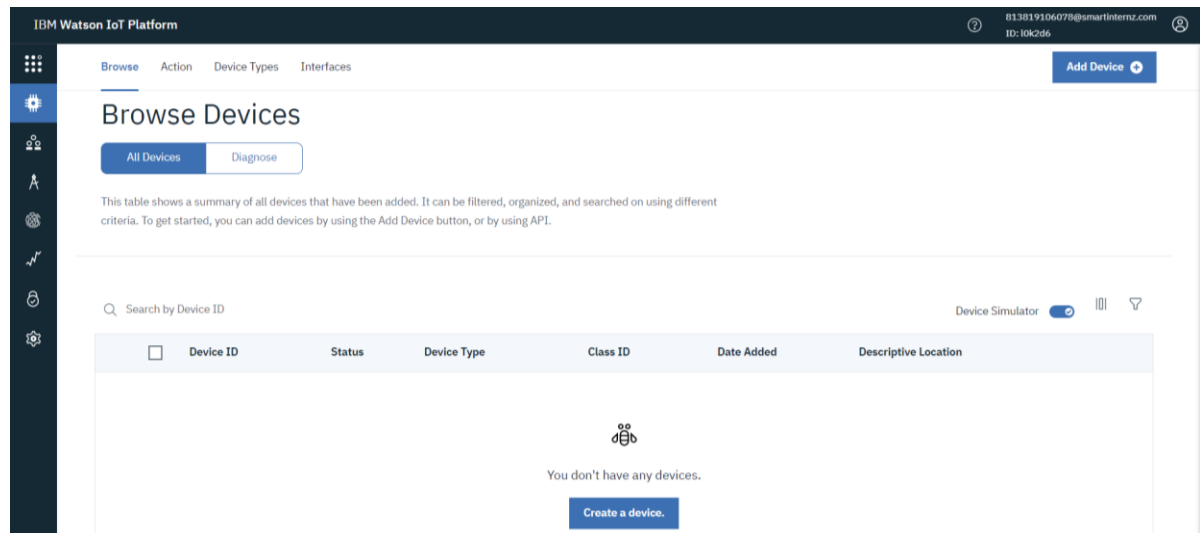
5. Internet of Things Platform Child_safety will be created, where there are different options like manage, plan, and connection (manage is for launch, Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services). Click on launch.



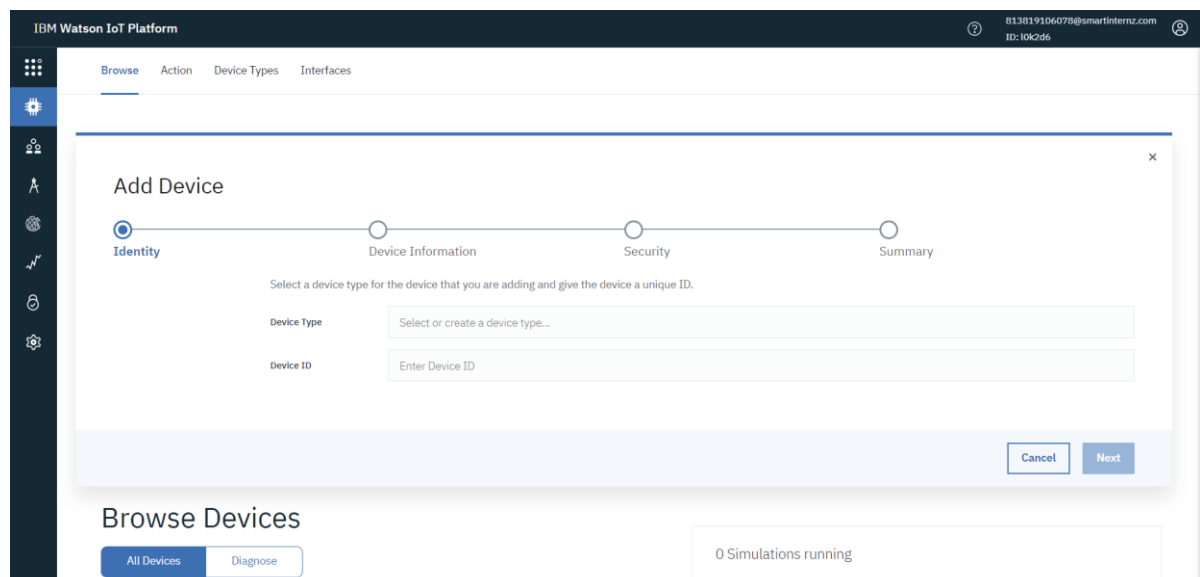
6. Now you need to sign in. Enter the details to sign in to the Watson Cloud to create a device.



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



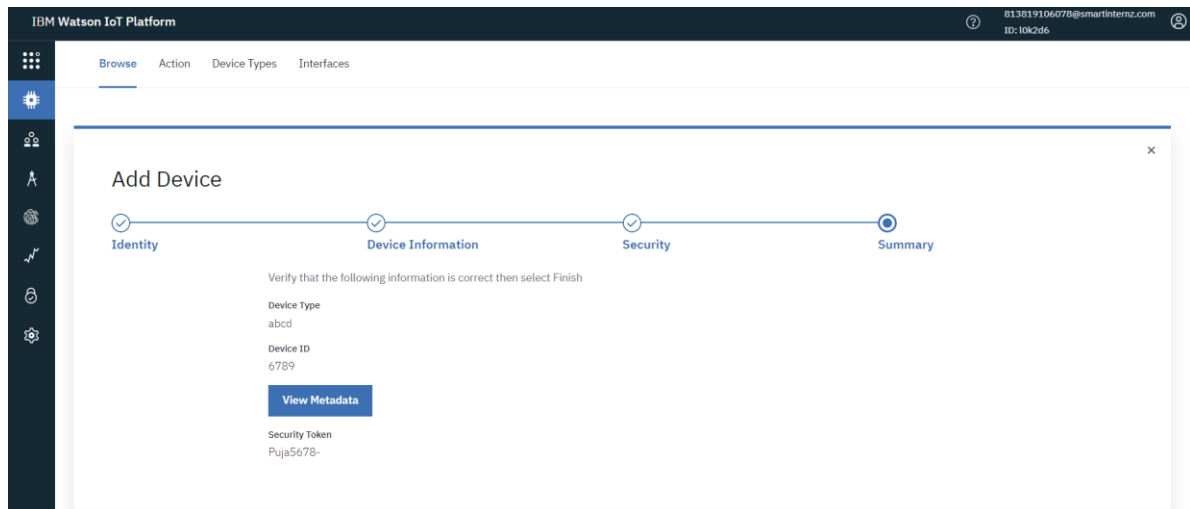
9. This page to enter extra details and of the hardware

The screenshot shows the 'Add Device' page in the IBM Watson IoT Platform. The page has a dark blue header with the logo and user information. A sidebar on the left contains navigation icons. The main content area is titled 'Add Device' and features a progress bar with four steps: Identity, Device Information (current), Security, and Summary. Below the progress bar, a message states: 'You can modify the default device information and enter more information about the device for identification purposes.' The form is divided into two columns. The left column contains fields for 'Serial Number', 'Model', 'Description', and 'Hardware Version', each with a text input box. The right column contains fields for 'Manufacturer', 'Device Class', 'Firmware Version', and 'Descriptive Location', each with a text input box. At the bottom left of the form is a button labeled 'Add Metadata'. At the bottom right are 'Back' and 'Next' buttons.

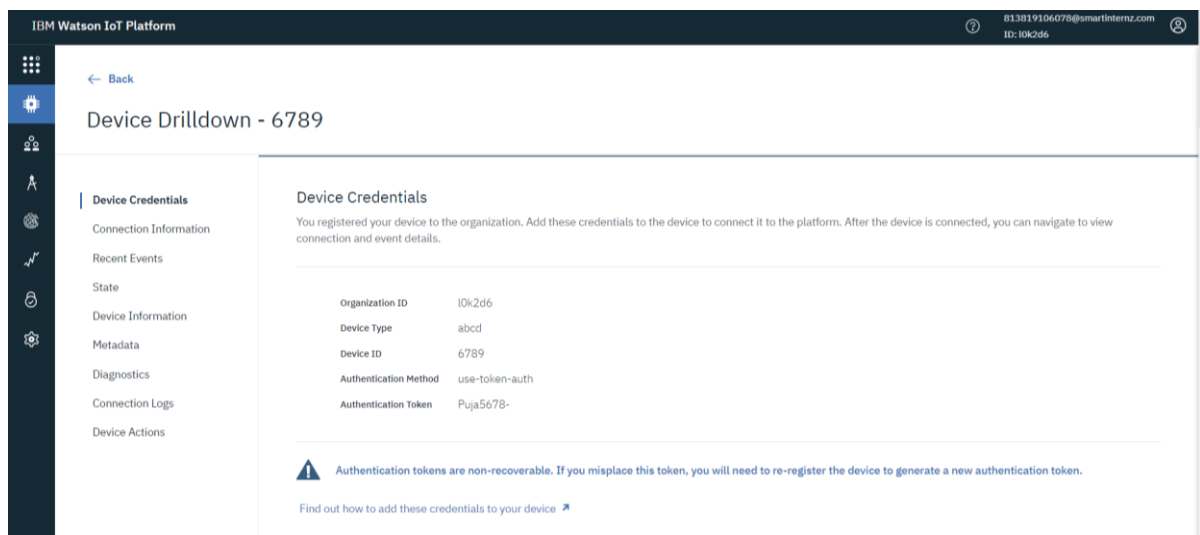
10. Clicking next it goes to the security where we do authentication token id.

The screenshot shows the 'Add Device' page in the IBM Watson IoT Platform, now at the 'Security' step. The progress bar shows 'Identity' and 'Device Information' as completed steps, 'Security' as the current step, and 'Summary' as the next step. The main content area is titled 'Add Device' and contains two options for selecting a device authentication token. The first option is 'Auto-generated authentication token (default)', which 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.' The second option is 'Self-provided authentication token', which includes a description: '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 options is a text input field labeled 'Authentication Token' with a placeholder 'Enter an optional token' and a help icon. At the bottom, there is a note: 'Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.' and a sub-note: '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. Safe 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

All Devices

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 101

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	6789	Disconnected	abcd	Device	Nov 5, 2022 10:00 AM	
Items per page 50 ▾ 1-1 of 1 item						1 of 1 page < 1 ▾ >

1 Simulation running