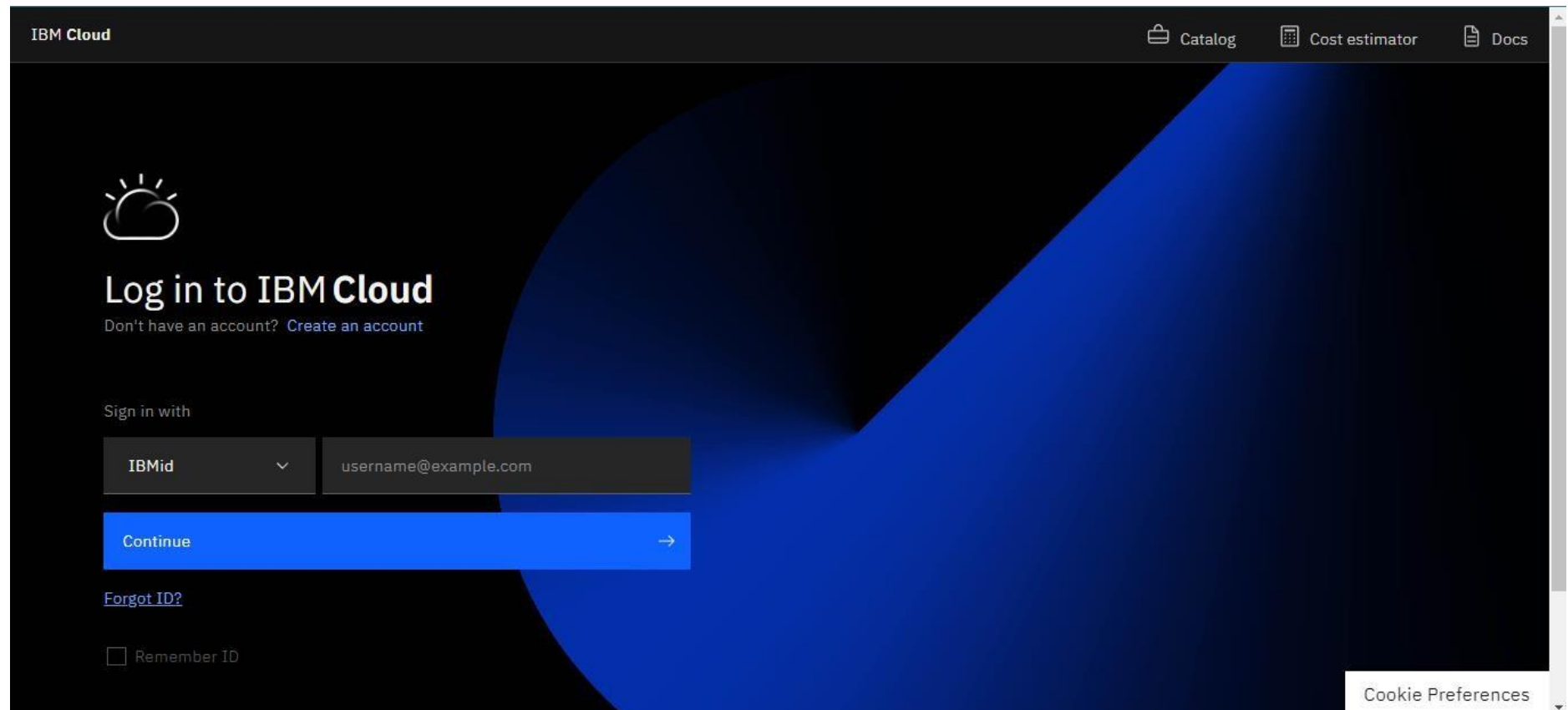


Create The IBM Watson IoT Platform And A Device

Project Title	SmartFarmer – IoT Enabled Smart Farming Application
Team ID	PNT2022TMID26132
Content	IBM Cloud and Device Creation

STEP 1:


Login into your IBM Cloud.



The screenshot shows the IBM Cloud login interface. At the top, a dark navigation bar contains the 'IBM Cloud' logo on the left and links for 'Catalog', 'Cost estimator', and 'Docs' on the right. The main content area has a dark background with a large blue abstract shape. On the left, there is a cloud icon, the text 'Log in to IBM Cloud', and a link 'Don't have an account? Create an account'. Below this, a 'Sign in with' section features a dropdown menu set to 'IBMid' and a text input field containing 'username@example.com'. A prominent blue 'Continue' button with a right-pointing arrow is positioned below the input field. At the bottom left, there is a link 'Forgot ID?' and a checkbox labeled 'Remember ID'. A 'Cookie Preferences' link is visible in the bottom right corner.

IBM Cloud

Catalog Cost estimator Docs



Log in to IBM Cloud

Don't have an account? [Create an account](#)

Sign in with

IBMid

Continue →

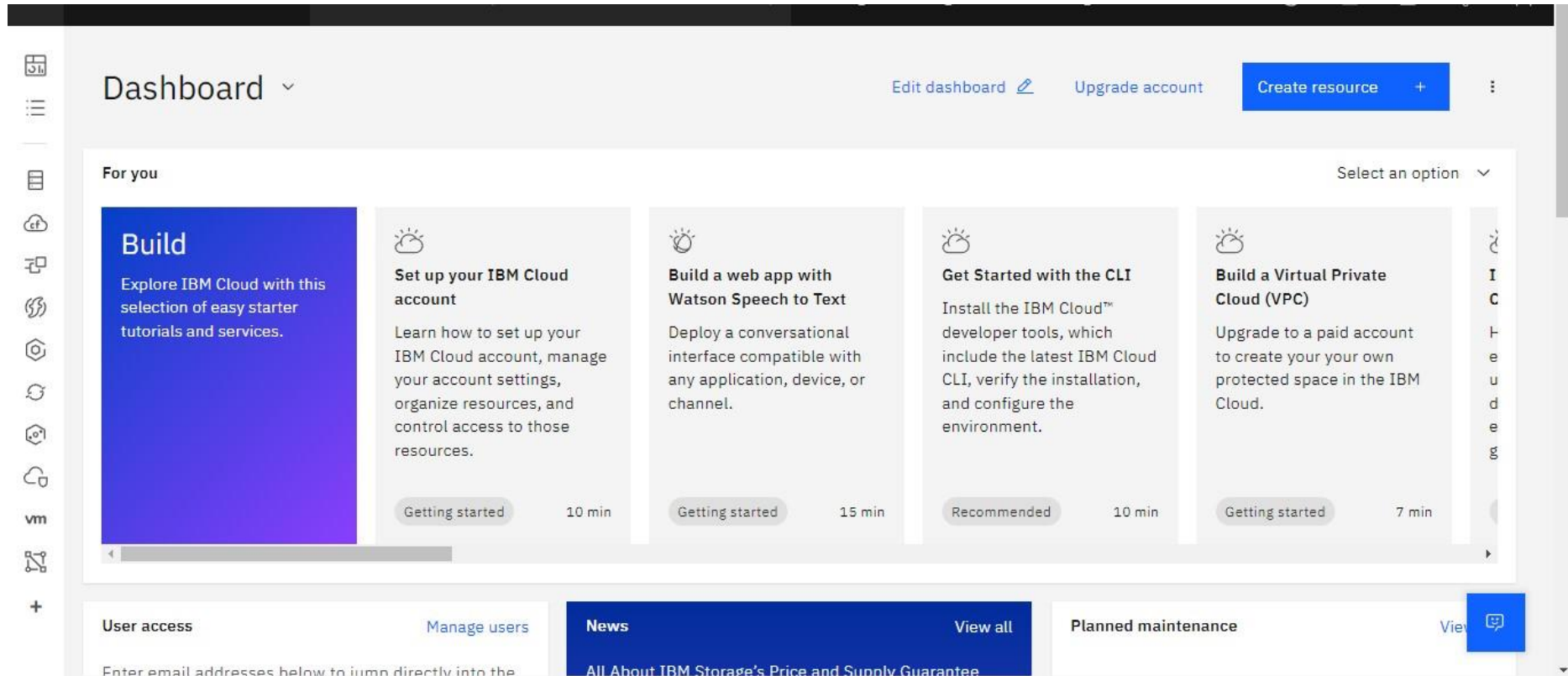
[Forgot ID?](#)

☐ Remember ID

[Cookie Preferences](#)

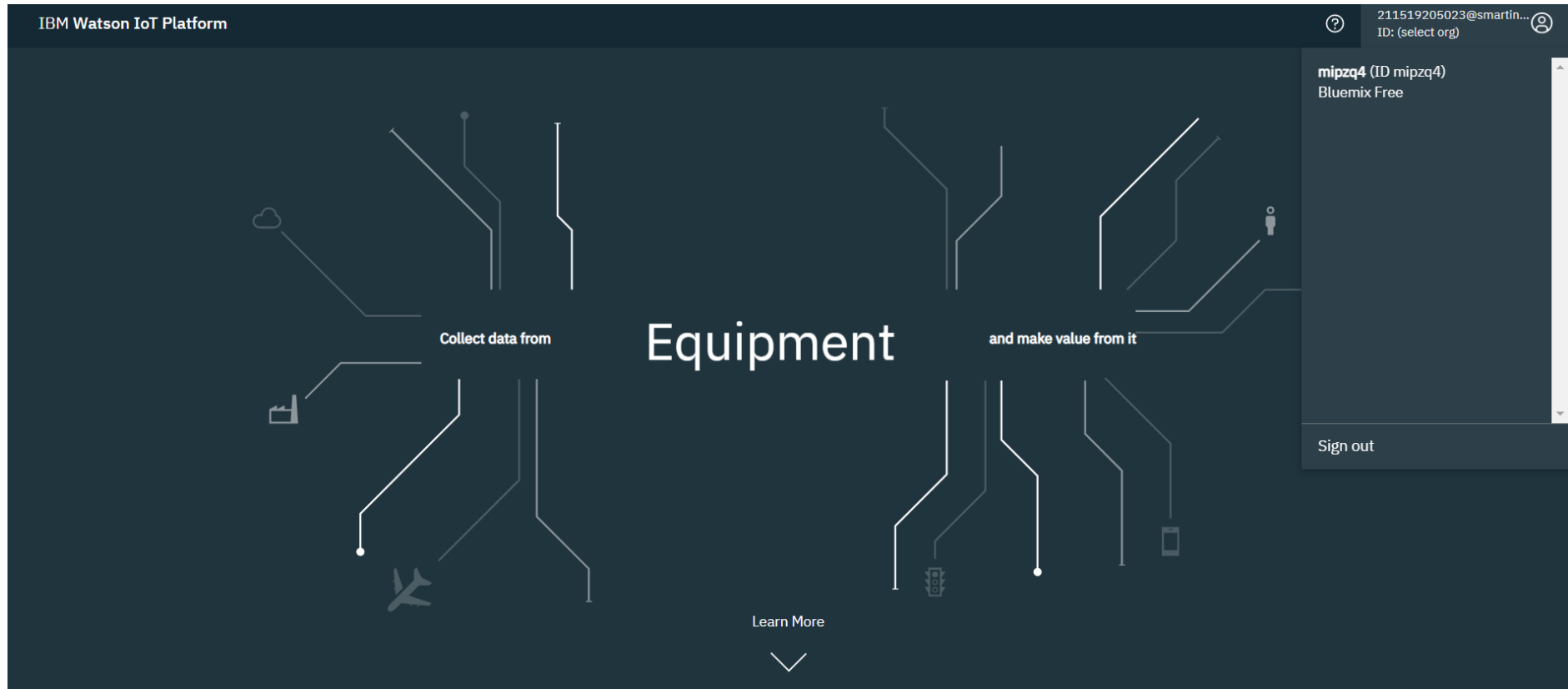
STEP 2:

After Login you will be redirected to your dashboard. Search Internet of Things and Click on it.



STEP 3:

Now click on existing instance and then click Launch. Now you will be redirected to new page and Sign In again if it's prompt. Next select your org.



STEP 4:

Go to Devices section, there click on Add Device. There enter your device type and device id. Then click Next and Click Next again.

The screenshot shows the IBM Watson IoT Platform interface. At the top, the header reads 'IBM Watson IoT Platform' with a user profile icon and email '211519205023@smartinternz.com' and ID 'mipzq4'. A sidebar on the left contains icons for various functions. The main navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. The 'Add Device' modal is open, displaying a four-step progress bar: 'Identity' (selected), 'Device Information', 'Security', and 'Summary'. Below the progress bar, a message states: '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 the value 'Arduinio' and 'Device ID' with the value '168'. At the bottom right of the modal are 'Cancel' and 'Next' buttons. Below the modal, the 'Browse Devices' section is partially visible with tabs for 'All Devices' and 'Diagnose'.

IBM Watson IoT Platform

211519205023@smartinternz.com
ID: mipzq4

Browse Action Device Types Interfaces

Add Device

Identity Device Information Security Summary

Select a device type for the device that you are adding and give the device a unique ID.

Device Type Arduinio

Device ID 168

Cancel Next

Browse Devices

All Devices Diagnose

STEP 5:

Enter your authentication token or otherwise it will be auto generated and then click Next and then click Finish.

IBM Watson IoT Platform

211519205023@smartinternz.com
ID: mlpzq4

Browse Action Device Types Interfaces

Add Device

Identity Device Information **Security** Summary

There are two options for selecting a device authentication token.

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.

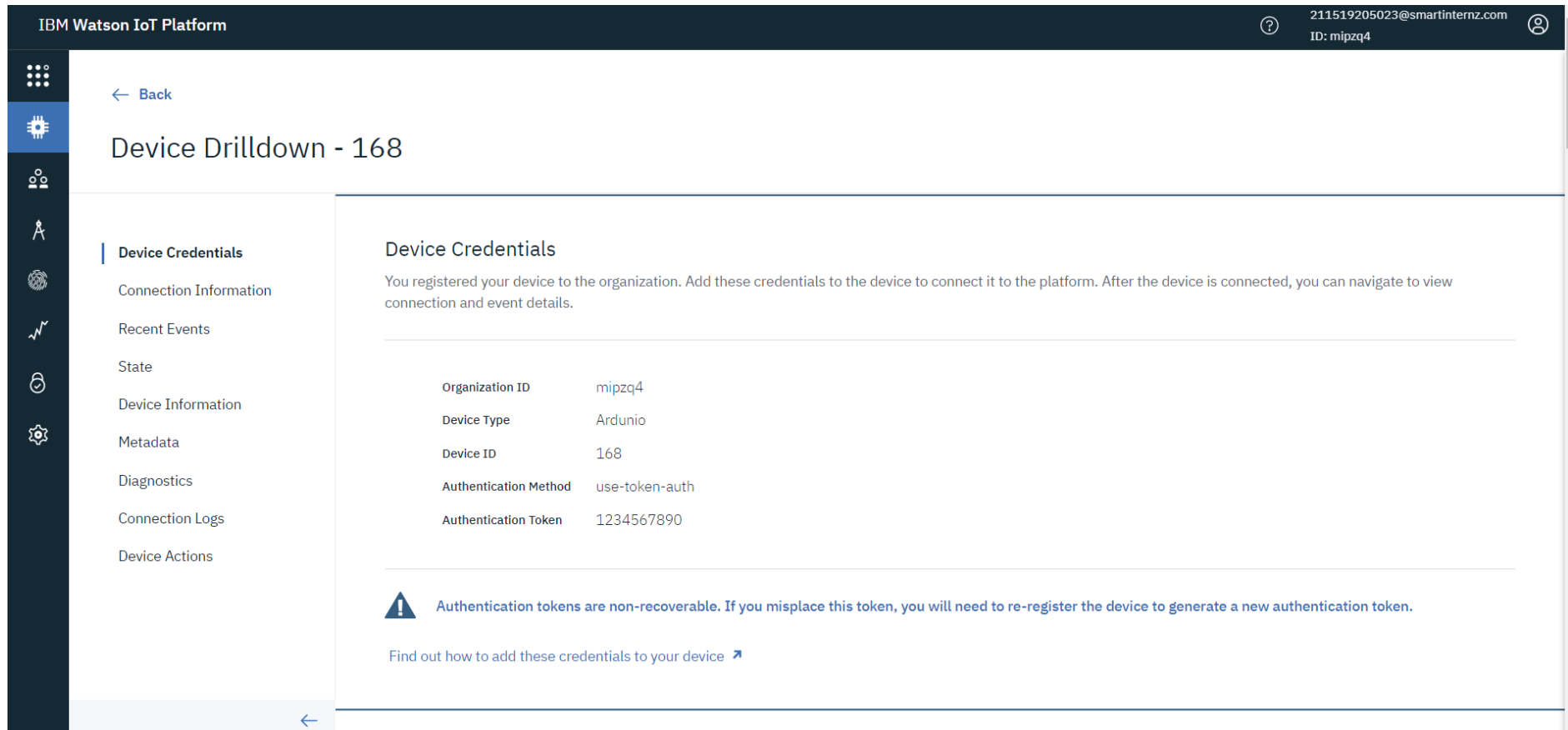
Authentication Token

Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.

Authentication tokens are encrypted before we store them.

STEP 6:

Now you can see your Device Credentials.



The screenshot displays the IBM Watson IoT Platform interface. At the top, the header shows "IBM Watson IoT Platform" on the left and user information "211519205023@smartinternz.com" and "ID: mipzq4" on the right. A dark sidebar on the left contains icons for various functions, with the "Device Credentials" icon highlighted. The main content area is titled "Device Drilldown - 168" and includes a "Back" link. Below the title, a left-hand menu lists options: "Device Credentials" (selected), "Connection Information", "Recent Events", "State", "Device Information", "Metadata", "Diagnostics", "Connection Logs", and "Device Actions". The "Device Credentials" section contains a descriptive paragraph and a table of credentials.

Device Credentials	
Organization ID	mipzq4
Device Type	Ardunio
Device ID	168
Authentication Method	use-token-auth
Authentication Token	1234567890

Below the table, a warning icon and text state: "Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token." A link at the bottom says "Find out how to add these credentials to your device" with an external link icon.

Now click Back, there you can see the list of devices you created with device type, device id, date that device is created and status.

IBM Watson IoT Platform

 ? 211519205023@smartinternz.com
 ID: mipzq4

[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.

Device Simulator ☒

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
>	<input type="checkbox"/> 168	Disconnected	Ardunio	Device	Nov 18, 2022 6:09 PM	

Items per page **50** | 1–1 of 1 item

1 of 1 page
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