

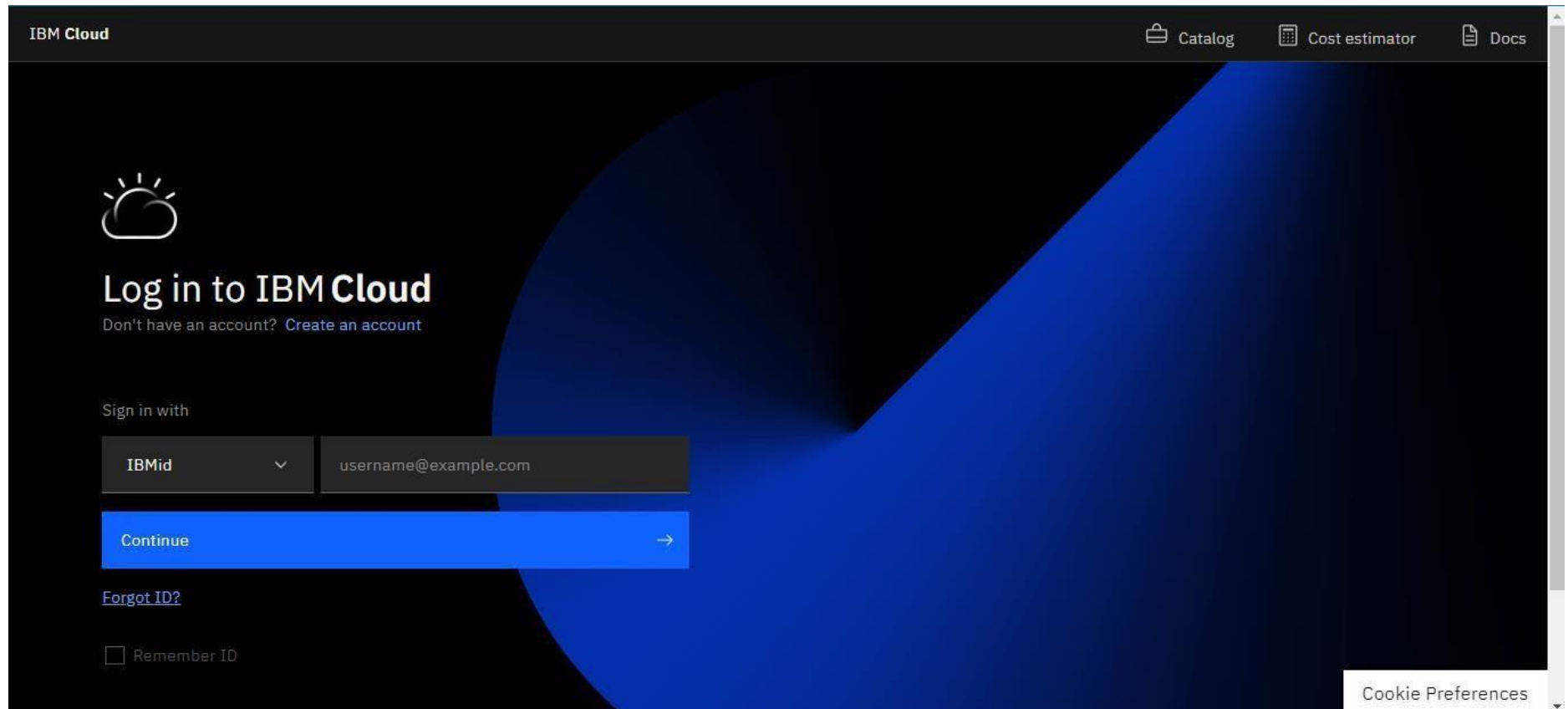
Create The IBM Watson IoT Platform And A Device

Project Title	SmartFarmer – IoT Enabled Smart Farming Application
Team ID	PNT2022TMID17466
Content	IBM Cloud and Device Creation

STEP 1:

Login into your IBM Cloud.

STEP 2:



The screenshot shows the IBM Cloud login interface. At the top, there is a dark header with the 'IBM Cloud' logo on the left and navigation 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 with sun rays, followed by the text 'Log in to IBM Cloud' and a link 'Don't have an account? Create an account'. Below this, the 'Sign in with' section shows 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. Further down, there are links for 'Forgot ID?' and a 'Remember ID' checkbox. In the bottom right corner, a 'Cookie Preferences' link is visible.

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

STEP 3:

IBM Cloud

Search resources and products...

Q

Catalog

Manage

Dinesh S's Account

?

Dashboard

Edit dashboard

Upgrade account

Create resource

For you

quickStart.optionSelect

Build

Explore IBM Cloud with this selection of easy starter tutorials and services.

Build a web app with Watson Speech to Text

Deploy a conversational interface compatible with any application, device, or channel.

Getting started15 min

Get Started with Watson Studio

Get started with using AI and Cloud Object Storage in 15 minutes.

Popular2 hr

Build a Virtual Private Cloud (VPC)

Upgrade to a paid account to create your own protected space in the IBM Cloud.

Getting started7 min

IBM Watson Knowledge Catalog

Help your data citizens easily find, prepare, understand and use the data they need through an enterprise data catalog & governance platform.

Recommended2 min

IBM Cloud Migration Services

Use IBM Cloud Migration Services to migrate workloads to a hybrid cloud with reduced risk and cost.

Recommended5 min

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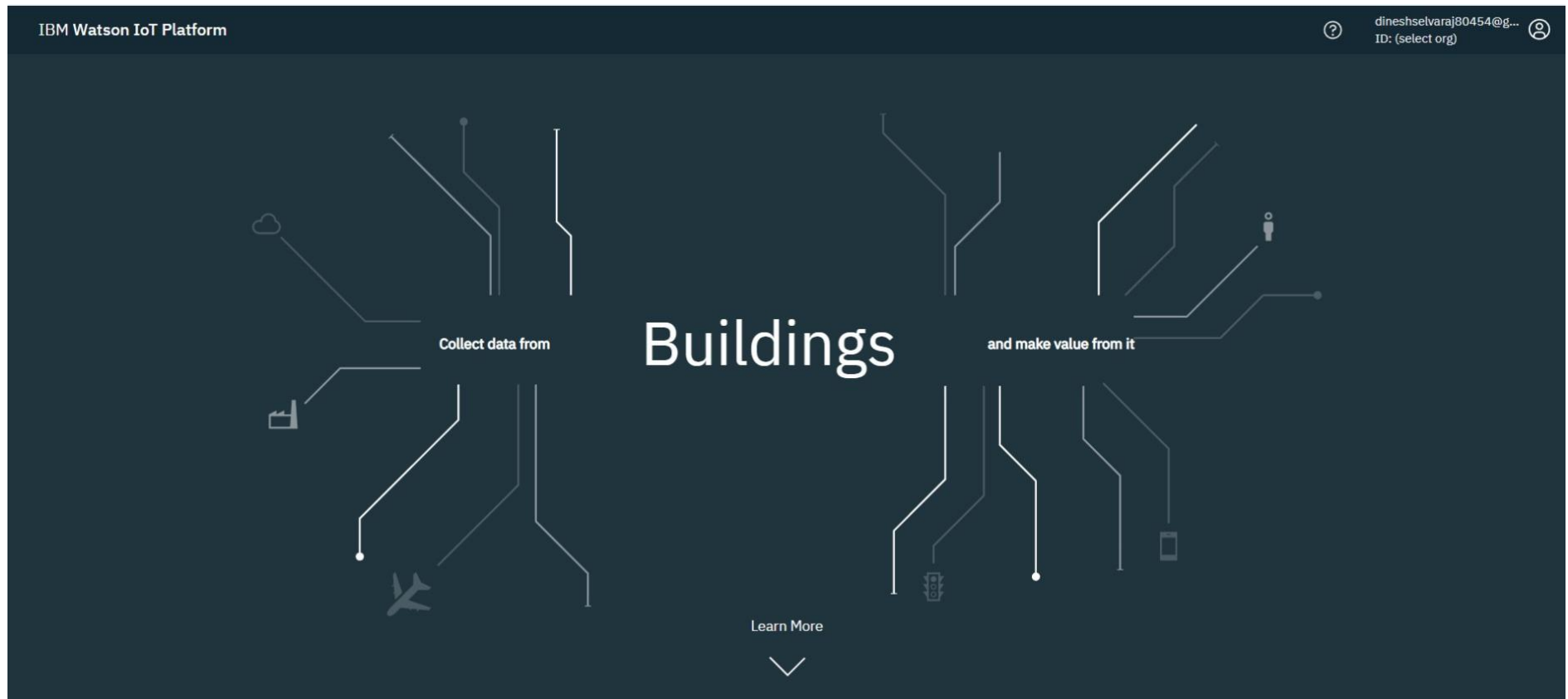
View all

IBM Cloud status

View all

STEP 4:

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 5:

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 "dineshselvaraj80454@gmail.com" and ID "9lg1". A sidebar on the left contains various icons, with the "Add Device" icon (a gear with a plus) highlighted. The main content area shows the "Add Device" wizard with four steps: Identity, Device Information, Security, and Summary. The "Identity" step is active, showing a progress bar and instructions: "Select a device type for the device that you are adding and give the device a unique ID." Below this, there are two input fields: "Device Type" with the value "Arduino" and "Device ID" with the value "1234". At the bottom right of the wizard, there are "Cancel" and "Next" buttons. Below the wizard, the "Browse Devices" section is visible with tabs for "All Devices" and "Diagnose".

IBM Watson IoT Platform

dineshselvaraj80454@gmail.com
ID: 9lg1

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

Device ID

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.

The screenshot shows the 'Security' step in the IBM Watson IoT Platform device registration process. The interface includes a top navigation bar with the platform name and user information, a left sidebar with icons for various functions, and a main content area with a progress indicator and two options for authentication tokens.

IBM Watson IoT Platform | dineshselvaraj80454@gmail.com | ID: 9lg1g1

Browse | Action | Device Types | Interfaces

Progress: Identity (checked) | Device Information (checked) | **Security** (active) | 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: ⓘ

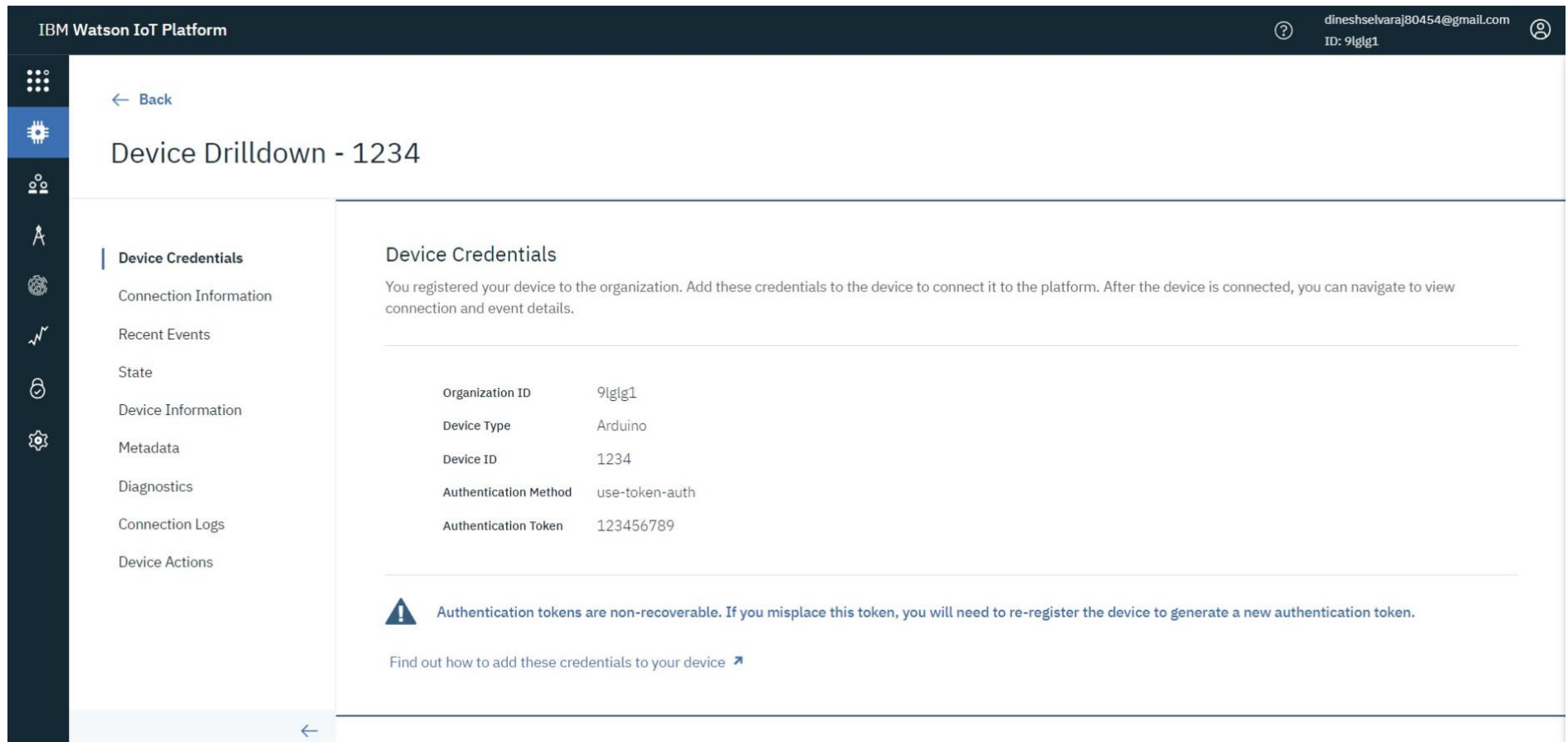
Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.

Authentication tokens are encrypted before we store them.

[Back](#) [Next](#)

STEP 6:

Now you can see your Device Credentials.



The screenshot displays the IBM Watson IoT Platform interface. The top header shows the platform name and user information. The left sidebar contains navigation icons, with the 'Device Credentials' option highlighted. The main content area is titled 'Device Drilldown - 1234' and features a 'Device Credentials' section. This section includes a descriptive paragraph and a table of credentials. A warning message at the bottom states that authentication tokens are non-recoverable.

IBM Watson IoT Platform

dineshselvaraj80454@gmail.com
ID: 9lg1

← Back

Device Drilldown - 1234

Device Credentials

You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details.

Organization ID	9lg1
Device Type	Arduino
Device ID	1234
Authentication Method	use-token-auth
Authentication Token	123456789

! Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.

[Find out how to add these credentials to your device](#)

Step 7:

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.

[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 ☐

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	123	Disconnected	Arduino	Device	13 Nov 2022 22:24	
> <input type="checkbox"/>	1234	Disconnected	Arduino	Device	13 Nov 2022 22:21	
> <input type="checkbox"/>	1234	Disconnected	Noder	Device	13 Nov 2022 22:25	
Items per page 50 ▼ 1–3 of 3 items						

1 of 1 page



1 ▼

