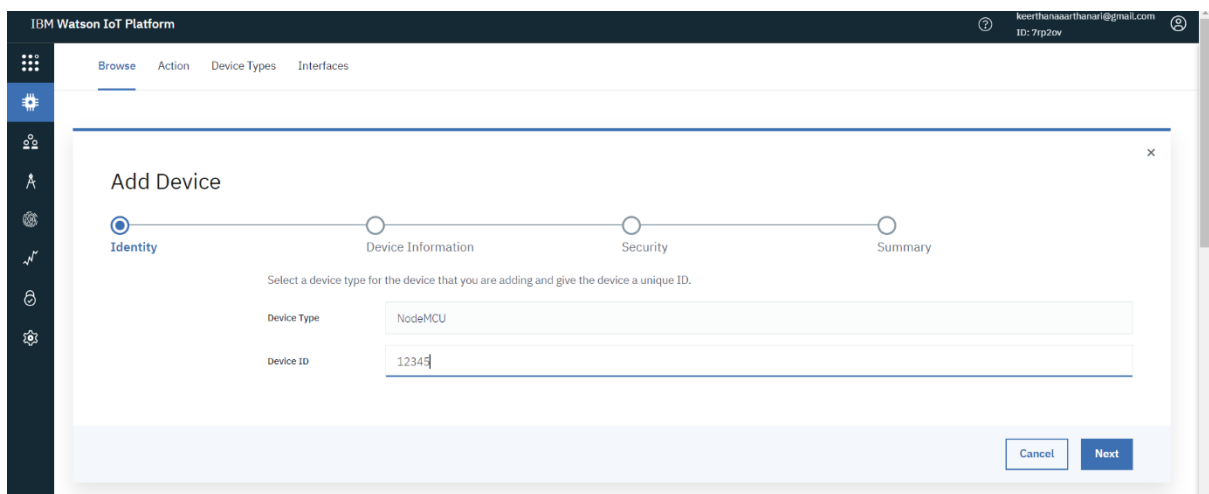
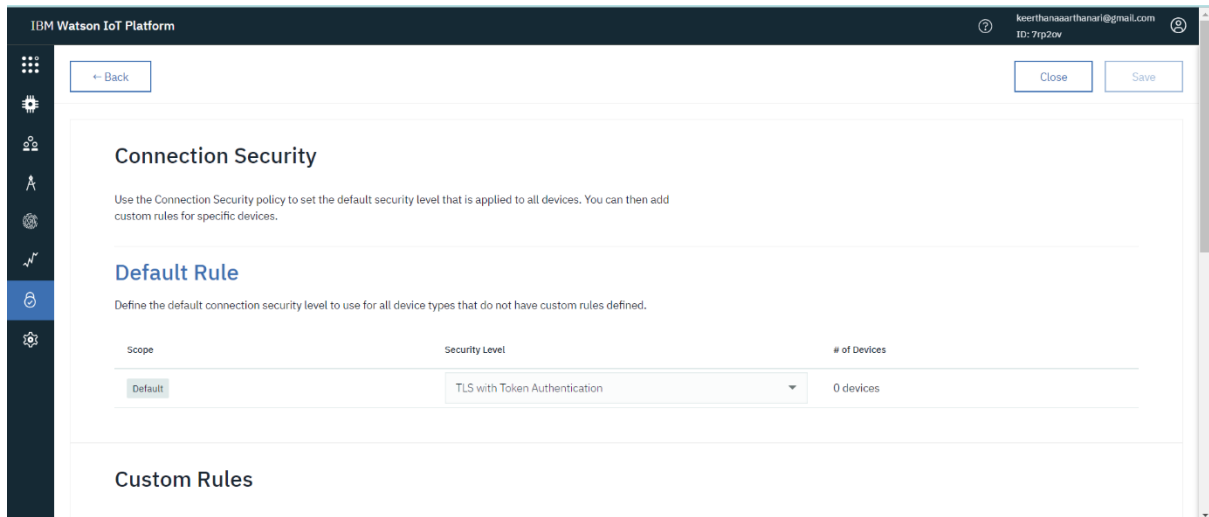
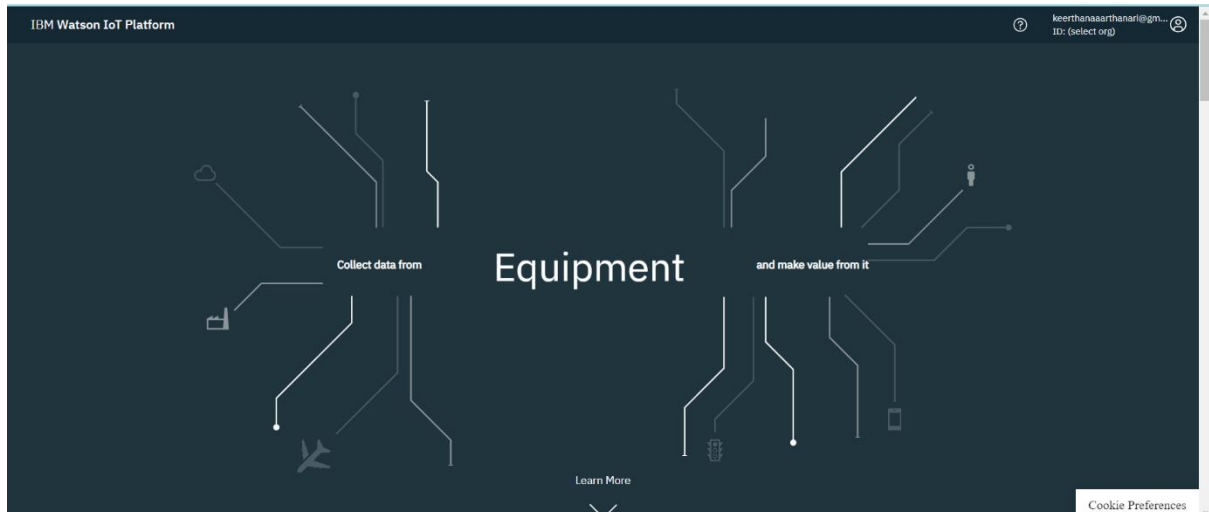


# Create IBM Watson IoT Platform and Device

Date	26 October 2022
Team ID	PNT2022TMID18967
Project Name	Project - IOT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks

Aim : To create IBM Watson IoT Platform and Device

The screenshot displays the IBM Cloud IoT Platform console. At the top, there's a navigation bar with 'IBM Cloud' and a search bar. Below the navigation bar, the main header shows 'Resource list / Internet of Things Platform-px' with a green 'Active' status and an 'Add tags' link. On the left, a sidebar lists 'Manage', 'Plan', and 'Connections'. The main content area has a large graphic of a central square with four lines extending from it, each ending in a small square. To the right of the graphic, the text reads 'Let's get started with IBM Watson IoT Platform' followed by 'Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.' Below this is a 'Launch' button and a 'Docs' button. Further down, a section titled 'Ready for the next level?' and 'IBM Watson IoT Platform Journey' shows three stages: 'Lite' (checked with a blue circle), 'Non-Production', and 'Production'. Each stage has a brief description: 'The Lite service plan provides a lightweight development environment to get you started', 'The Non-Production service plan is a full-featured, fully-integrated offering that enables', and 'The Production service is a fully managed SaaS offering that enables you to manage and analyze'.



IBM Watson IoT Platform

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Browse

Action

Device Types

Interfaces

Identity

Device Information

Security

Summary

You can modify the default device information and enter more information about the device for identification purposes.

Serial Number	<input type="text" value="Enter Serial Number"/>	Manufacturer	<input type="text" value="Enter Manufacturer"/>
Model	<input type="text" value="Enter Model"/>	Device Class	<input type="text" value="Enter Device Class"/>
Description	<input type="text" value="Enter Description"/>	Firmware Version	<input type="text" value="Enter Firmware Version"/>
Hardware Version	<input type="text" value="Enter Hardware Version"/>	Descriptive Location	<input type="text" value="Enter Descriptive Location"/>

Add Metadata +

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Browse Devices

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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 token are encrypted before we store them.

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Summary

Verify that the following information is correct then select Finish

Device Type

NodeMCU

Device ID

12345

View Metadata

Security Token

12345678

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Device Drilldown - 12345

Device Credentials

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

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

7rp2ov

Device Type

NodeMCU

Device ID

12345

Authentication Method

use-token-auth

Authentication Token

12345678

⚠

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

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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.

Search by Device ID

Device Simulator

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
>	12345	Disconnected	NodeMCU	Device	14 Nov 2022 8:55 PM	

Items per page 50

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1 of 1 page

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1

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