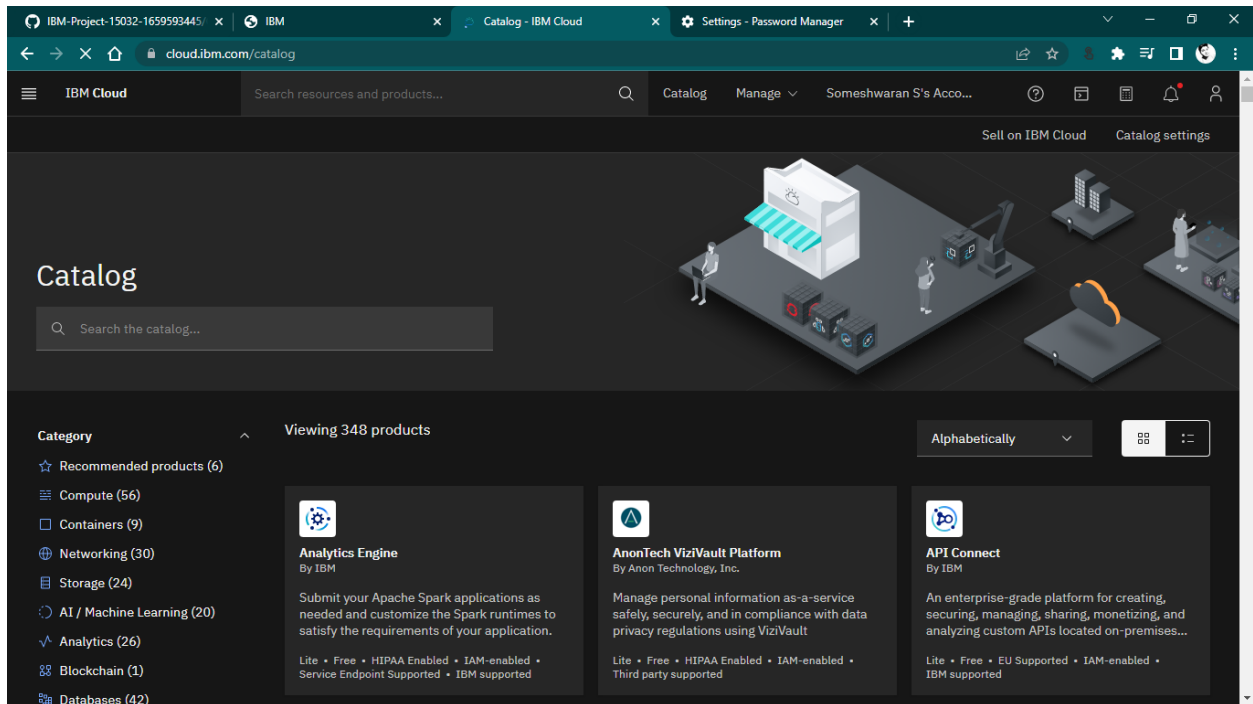


Creating IBM Watson IoT Platform and Device

<u>Team ID</u>	<u>PNT2022TMID25072</u>
<u>Project Name Project</u>	<u>IOT Based Safety Gadget for Child Safety Monitoring&Notification</u>

Step : 1 :



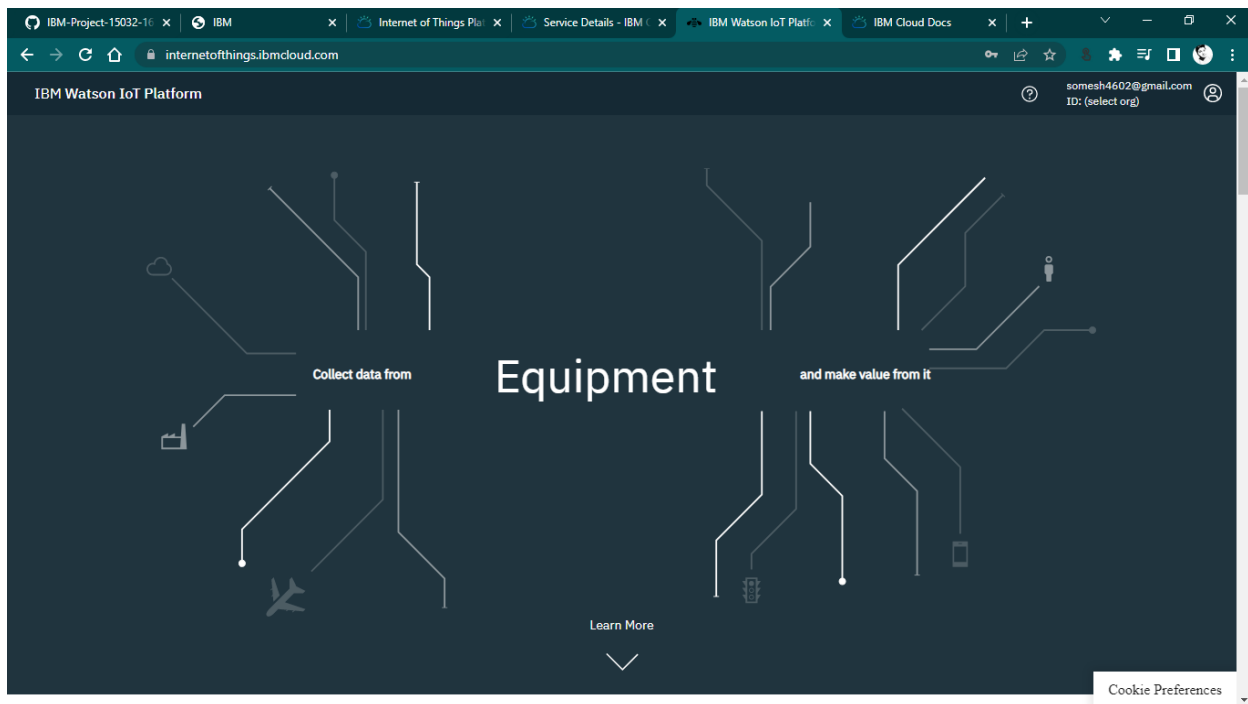
Step : 2 :

The screenshot shows the IBM Cloud console for the Internet of Things Platform service. The left sidebar includes links for Compliance, IAM-enabled, Location (Frankfurt, London, Dallas, Washington DC), and Related links (Docs, Terms). The main content area displays the 'Lite' service plan, which includes up to 500 registered devices and a maximum of 200 MB of each data metric. It also lists the maximum number of registered devices (500), application bindings (500), and data exchanged/analyzed (200 MB). A note states that the Lite plan services are deleted after 30 days of inactivity. The 'Configure your resource' section includes fields for Service name (Internet of Things Platform-f1), Select a resource group (Default), Tags (Examples: env:dev, version-1), and Access management tags (Examples: access:dev, projversion-1). The right sidebar shows the Summary for the Internet of Things Platform, including Location (Frankfurt), Plan (Lite), Service name (Internet of Things Platform-f1), and Resource group (Default). At the bottom, there are checkboxes for 'I have read and agree to the following license agreements:' with a link to 'Terms', and buttons for 'Create' and 'Add to estimate'.

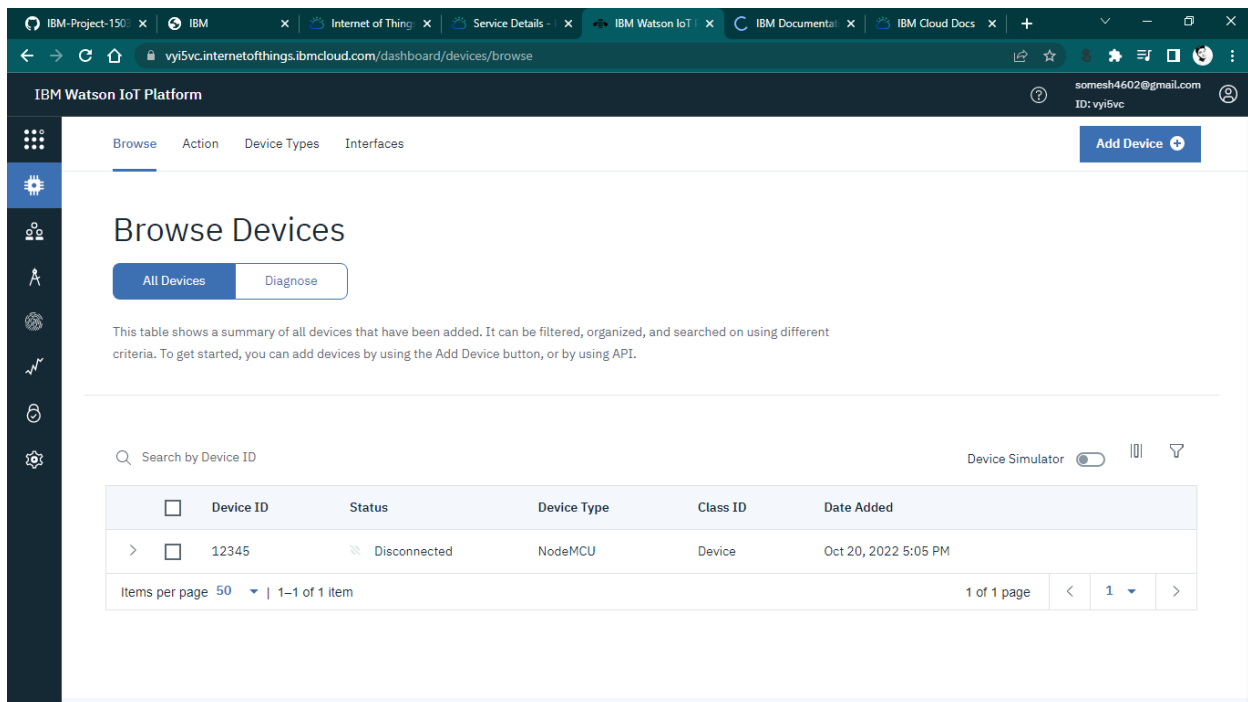
Step : 3 :

The screenshot shows the IBM Cloud console for the Internet of Things Platform resource. The left sidebar includes links for Manage, Plan, and Connections. The main content area displays the 'Internet of Things Platform-p0' resource, which is 'Active'. The 'Manage' section is selected, showing a 'Let's get started with IBM Watson IoT Platform' banner. The banner includes a 'Launch' button and a 'Docs' button. Below the banner, there is a section titled 'Ready for the next level?' with the heading 'IBM Watson IoT Platform Journey'. This section features three progress indicators: 'Lite' (checked), 'Non-Production' (unchecked), and 'Production' (unchecked). The 'Lite' section describes the Lite service plan as a lightweight development environment. The 'Non-Production' section describes the Non-Production service plan as a full-featured, fully-integrated offering. The 'Production' section describes the Production service as a fully managed SaaS offering.

Step : 4 :



Step : 5 :



Step : 6 :

IBM Watson IoT Platform

someesh4602@gmail.com
ID: vyi5vc

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: NodeMCU

Device ID: 12345

Cancel Next

Browse Devices

Step : 7 :

IBM Watson IoT Platform

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Browse Action Device Types Interfaces

Add Device

Identity Device Information Security Summary

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

Serial Number: Enter Serial Number

Model: Enter Model

Description: Enter Description

Hardware Version: Enter Hardware Version

Manufacturer: Enter Manufacturer

Device Class: Enter Device Class

Firmware Version: Enter Firmware Version

Descriptive Location: Enter Descriptive Location

Add Metadata

Back Next

Step : 8 :

IBM Watson IoT Platform

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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 token are encrypted before we store them.

Step : 9 :

IBM Watson IoT Platform

someesh4602@gmail.com
ID: vyi5vc

Browse Action Device Types Interfaces

Add Device

Identity Device Information Security **Summary**

Verify that the following information is correct then select Finish

Device Type
NodeMCU

Device ID
12345

[View Metadata](#)

Security Token
12345678

[Back](#) [Finish](#)

Browse Devices

All Devices [Diagnose](#)

Step : 10 :

The screenshot shows the IBM Watson IoT Platform interface. The browser address bar displays the URL: `vyi5vc.internetofthings.ibmcloud.com/dashboard/devices/drilldown/NodeMCU:12345?returnTo=/devices/browse`. The page title is "Device Drilldown - 12345". On the left, a sidebar menu lists various options: 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 contains the following information:

Organization ID	vyi5vc
Device Type	NodeMCU
Device ID	12345
Authentication Method	use-token-auth
Authentication Token	12345678

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 "Find out how to add these credentials to your device" is also present.

Step : 11 :

The screenshot shows the IBM Watson IoT Platform interface with the "Browse" tab selected. The page title is "Browse". The "Add Device" button is visible in the top right. Below the header, there is a table listing devices. The table has columns: Device ID, Status, Device Type, Class ID, and Date Added. The first row shows a device with ID 12345, Status Disconnected, Device Type NodeMCU, Class ID Device, and Date Added Nov 1, 2022 1:16 PM. Below the table, there is a "Details" section for the selected device, showing the following information:

Identity	Device Information	Recent Events	State	Logs
Device ID	12345			
Device Type	NodeMCU			
Date Added	Nov 1, 2022 1:16 PM			
Added By	somesh4602@gmail.com			
Connection Status	Disconnected			

At the bottom, there is a pagination bar showing "Items per page 50" and "1 of 1 page".