

# Create IBM Watson IoT Platform and device

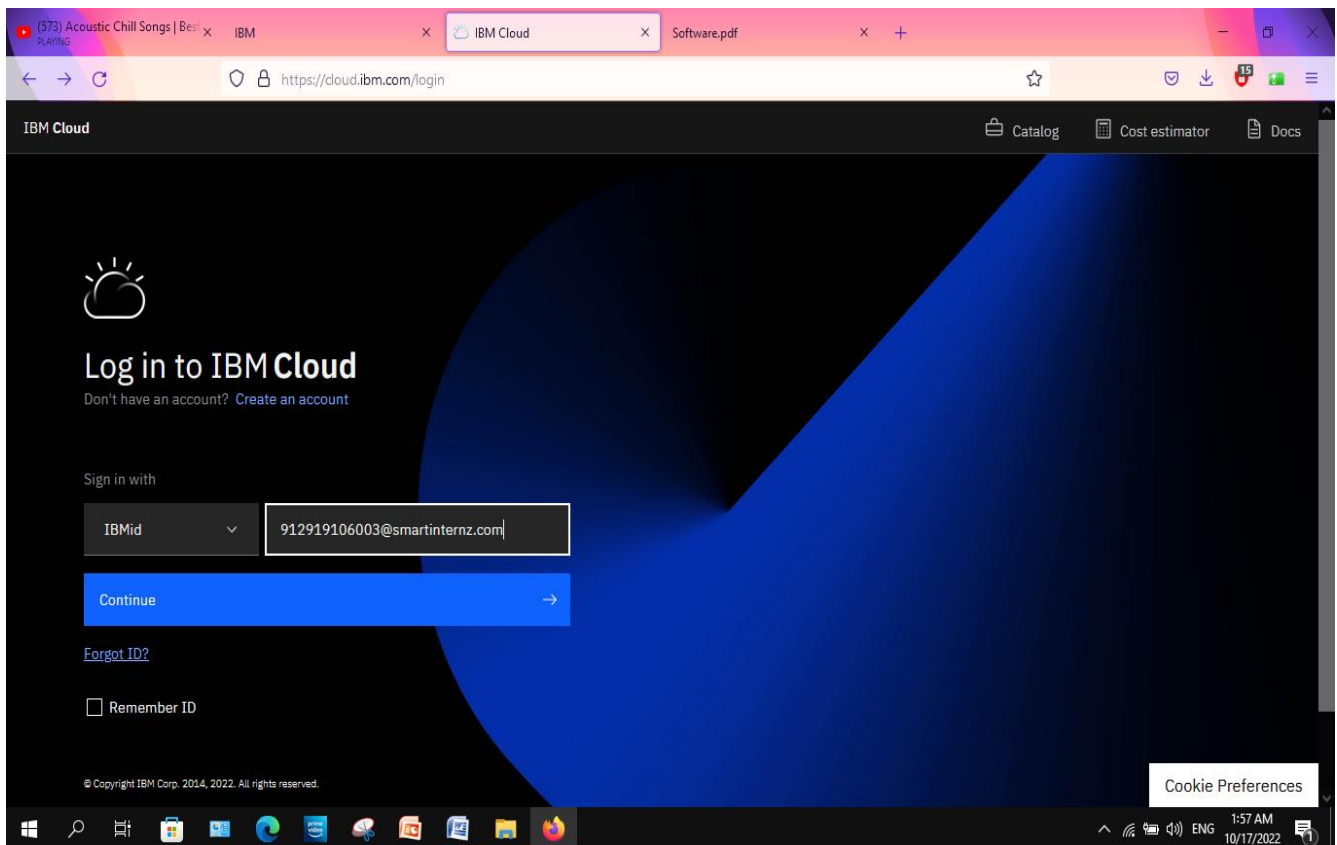
Date	17 September 2022
Team ID	PNT2022TMID48274
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification.

## Aim:

Create IBM Watson IoT Platform

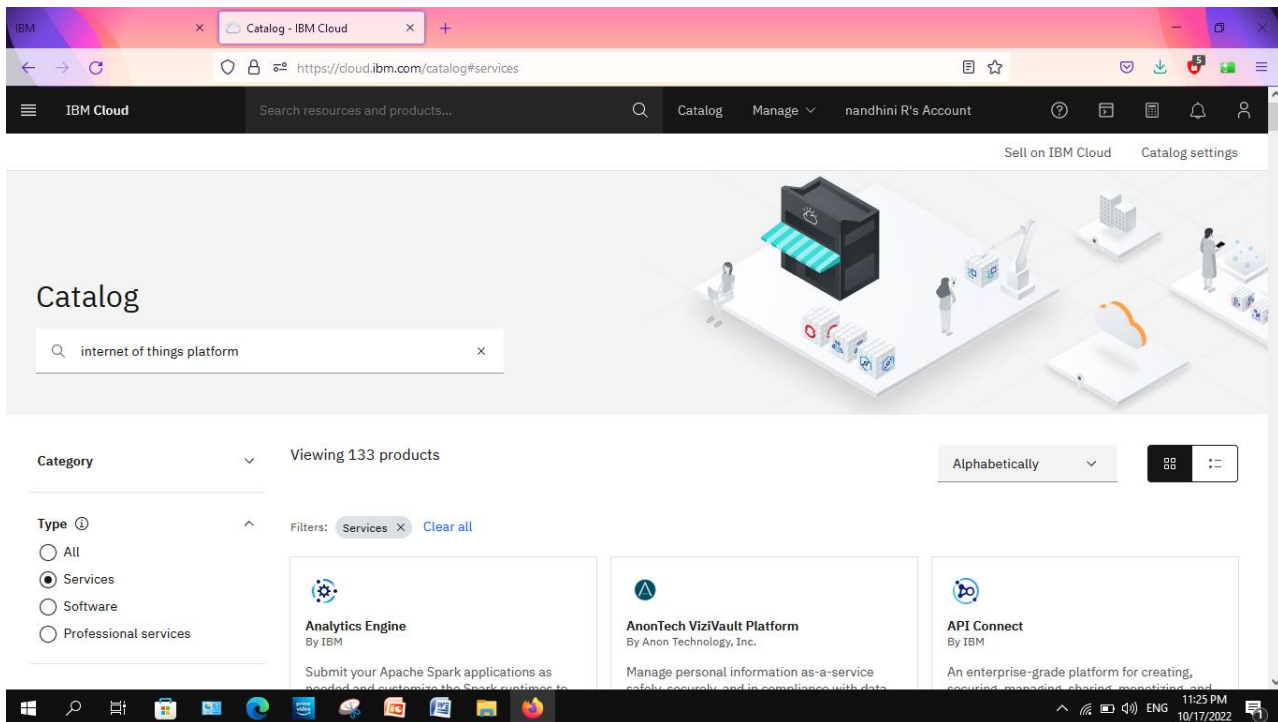
## Step-1:

Login to IBM Cloud.



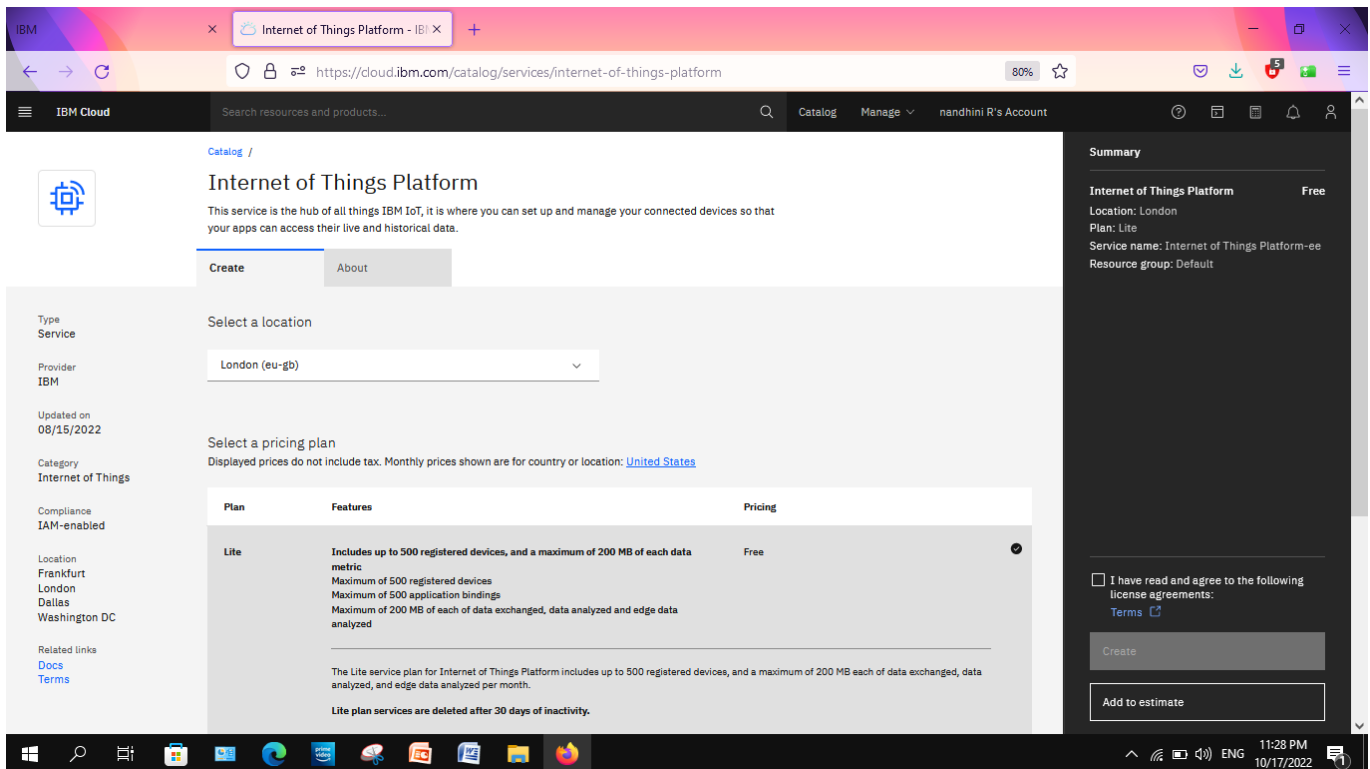
## Step-2:

Go to catalog and services and search for IBM Watson IoT Platform.



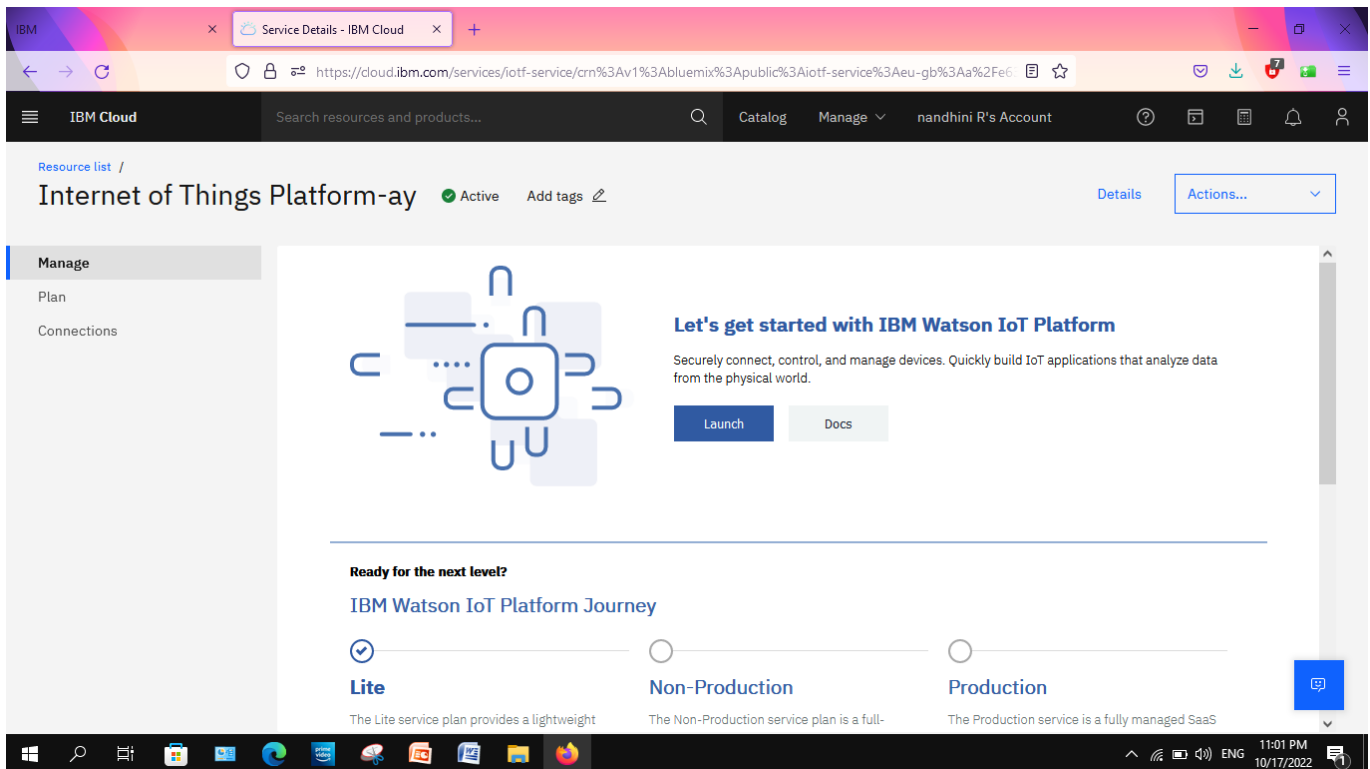
## Step-3:

Click creat.



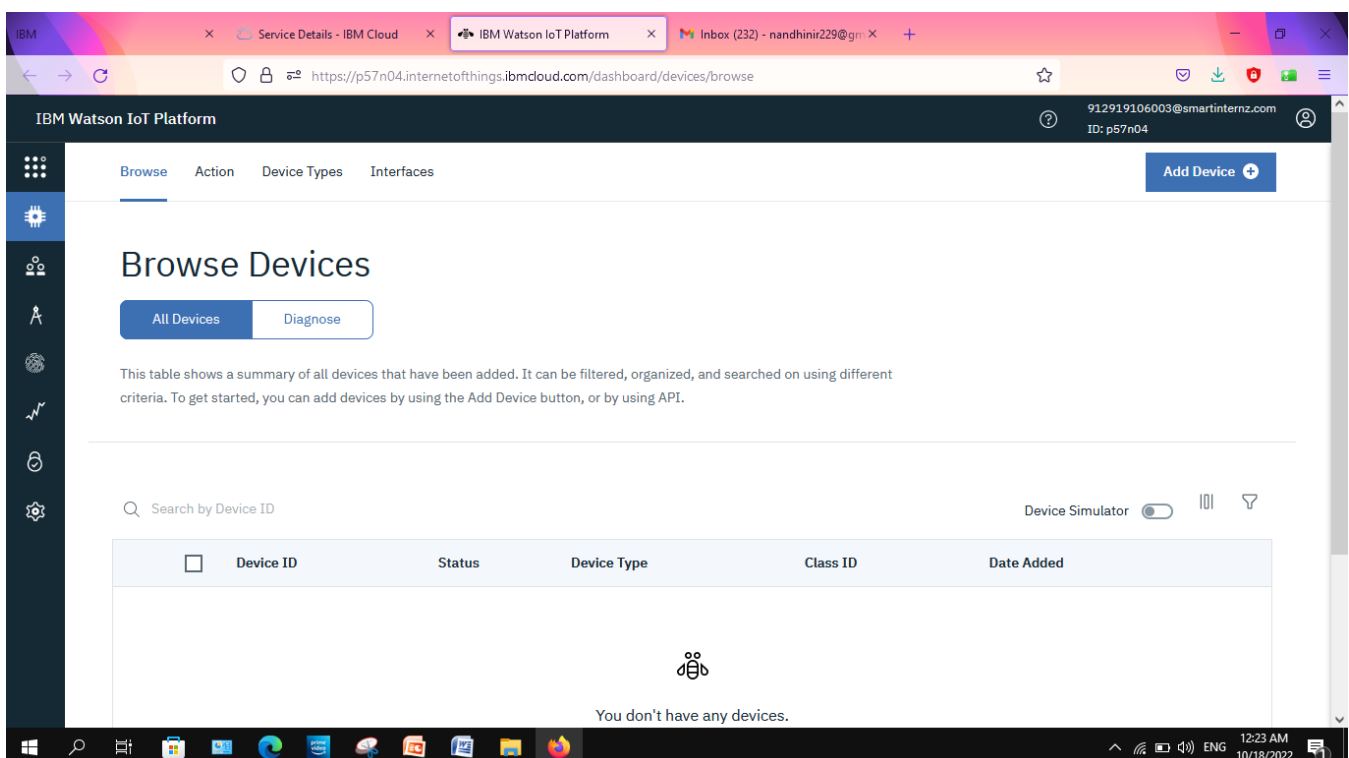
## Step-4:

Done creating the IBM Watson IoT Platform.



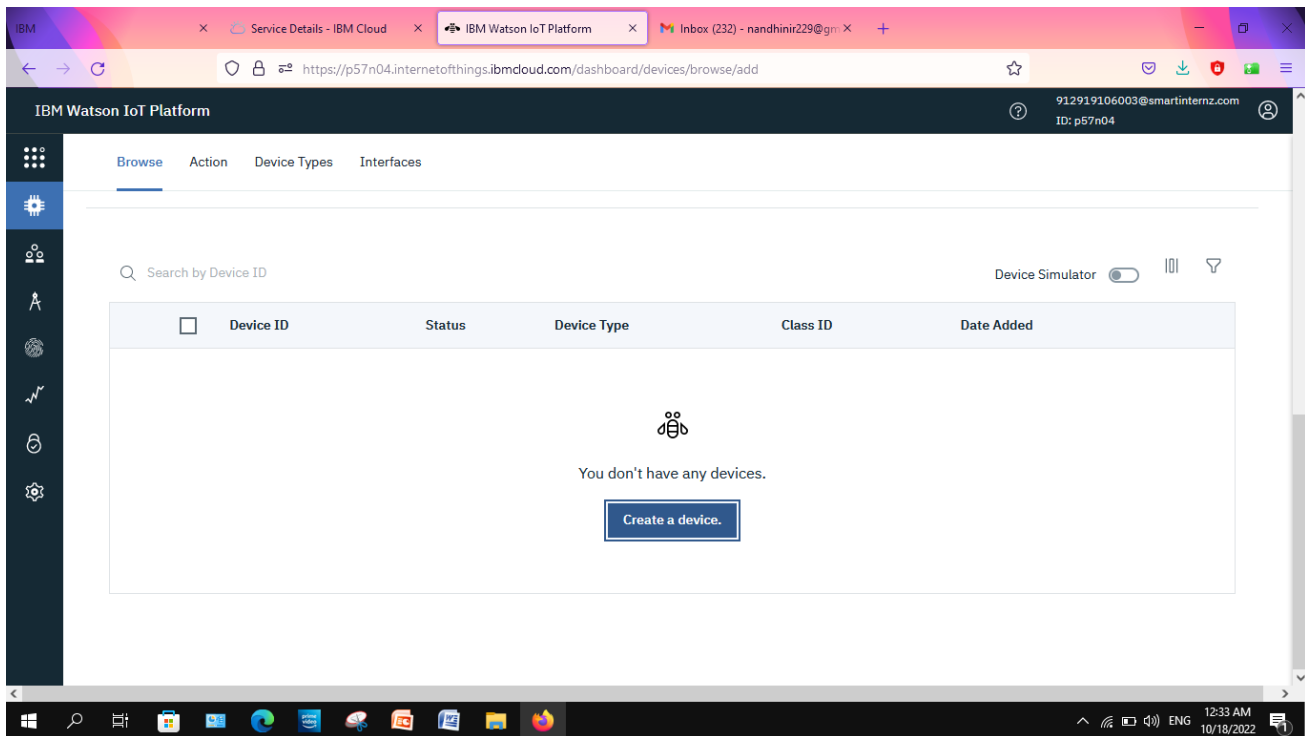
## Step-5:

Click launch and creat the IBM watson IOT platform is opend.

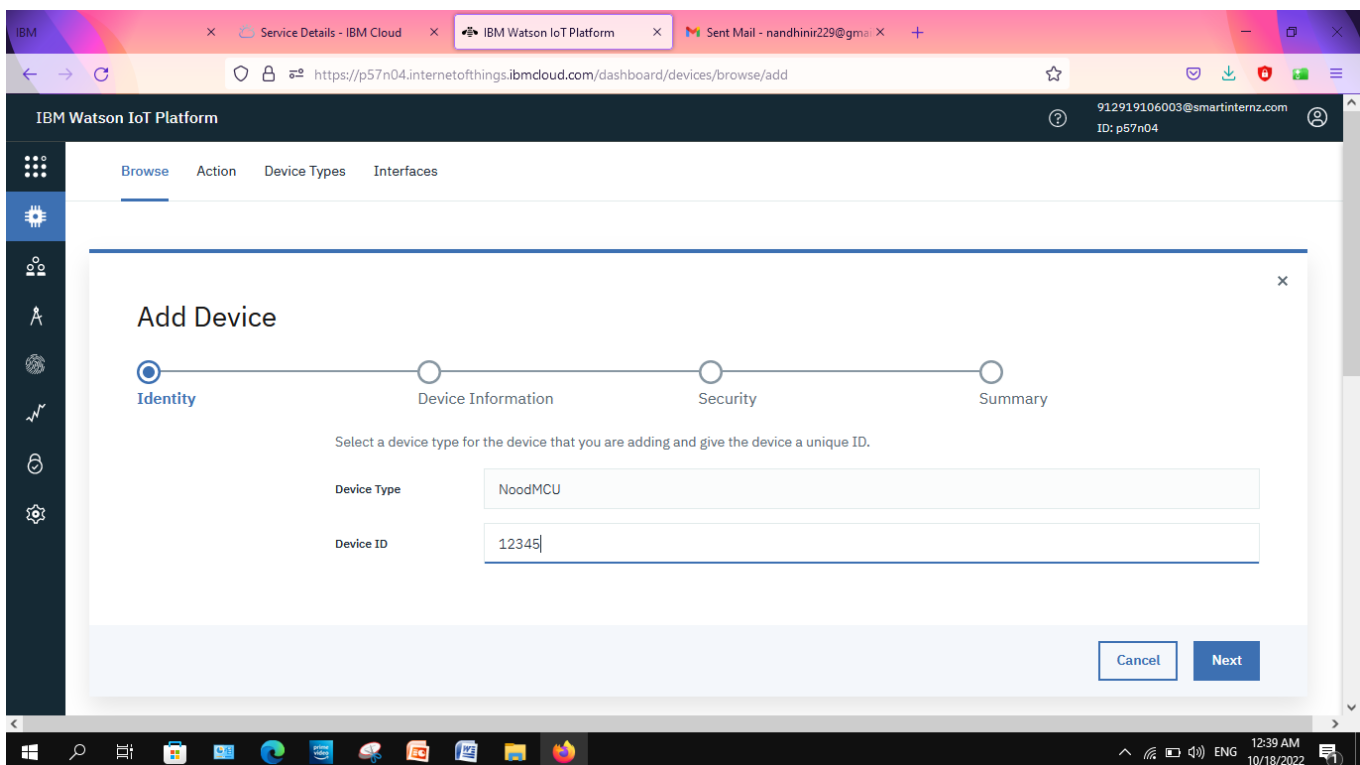


## Step-6:

Creat devices in IBM Watson IoT Platform.



Click creat devices



Fill the box and click next

The screenshot shows the 'Add Device' page in the IBM Watson IoT Platform. The page is titled 'Add Device' and has a progress bar with four steps: Identity (checked), Device Information (active), Security, and Summary. Below the progress bar, there is a section for entering device information. The fields are:

- 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

There is an 'Add Metadata' button with a plus icon. At the bottom right, there are 'Back' and 'Next' buttons. The browser address bar shows the URL: <https://p57n04.internetofthings.ibmcloud.com/dashboard/devices/browse/add>. The user's email is 912919106003@smartinternz.com and the ID is p57n04.

The screenshot shows the 'Add Device' page in the IBM Watson IoT Platform, Step 2: Security. The progress bar shows Identity (checked), Device Information (checked), Security (active), and Summary. Below the progress bar, there is a section for selecting a device authentication token. The options are:

- 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.

The 'Authentication Token' field contains the value '12345678'. Below the field, there is a note: '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.' At the bottom right, there are 'Back' and 'Next' buttons. The browser address bar shows the URL: <https://p57n04.internetofthings.ibmcloud.com/dashboard/devices/browse/add>. The user's email is 912919106003@smartinternz.com and the ID is p57n04.

IBM Watson IoT Platform

Service Details - IBM Cloud | IBM Watson IoT Platform | Sent Mail - nandhinir229@gmail.com

https://p57n04.internetofthings.ibmcloud.com/dashboard/devices/browse/add

### Add Device

Identity | Device Information | Security | Summary

Verify that the following information is correct then select Finish

**Device Type**  
NoodMCU

**Device ID**  
12345

**View Metadata**

**Security Token**  
12345678

Back Finish

### Browse Devices

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https://p57n04.internetofthings.ibmcloud.com/dashboard/devices/drilldown/NoodMCU:12345?returnTo=/c

### Device Drilldown - 12345

← Back

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	p57n04
Device Type	NoodMCU
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](#)

Connection Information

Basic connection information about this device.

Device ID 12345

copy the Device Credentials and past in the notepad and save it.

The screenshot shows the IBM Watson IoT Platform interface. The main content area displays the 'Device Drilldown - 12345' page. On the left, there is a sidebar with navigation options: Back, Device Credentials, Connection Information, Recent Events, State, Device Information, Metadata, Diagnostics, Connection Logs, and Device Actions. The 'Device Credentials' section is active, showing a table of credentials:

Organization ID	Device Type	Device ID	Authentication Method	Authentication Token
p57n04	NoodMCU	12345	use-token-auth	12345678

Below the table, there is a warning icon and text: 'Authentication tokens are non-recoverable. If you misplace this...'. A link 'Find out how to add these credentials to your device' is also present.

Overlaid on the right side of the interface is a Notepad window titled 'Untitled - Notepad'. It contains the following text:

```
File Edit Format View Help
Organization ID
p57n04
Device Type
NoodMCU
Device ID
12345
Authentication Method
use-token-auth
Authentication Token
12345678
```

The Windows taskbar at the bottom shows the time as 12:56 AM on 10/18/2022.

## RESULT:

Successfully creating the IBM Watson IoT Platform and device.