

Team ID PNT2022TMID27063

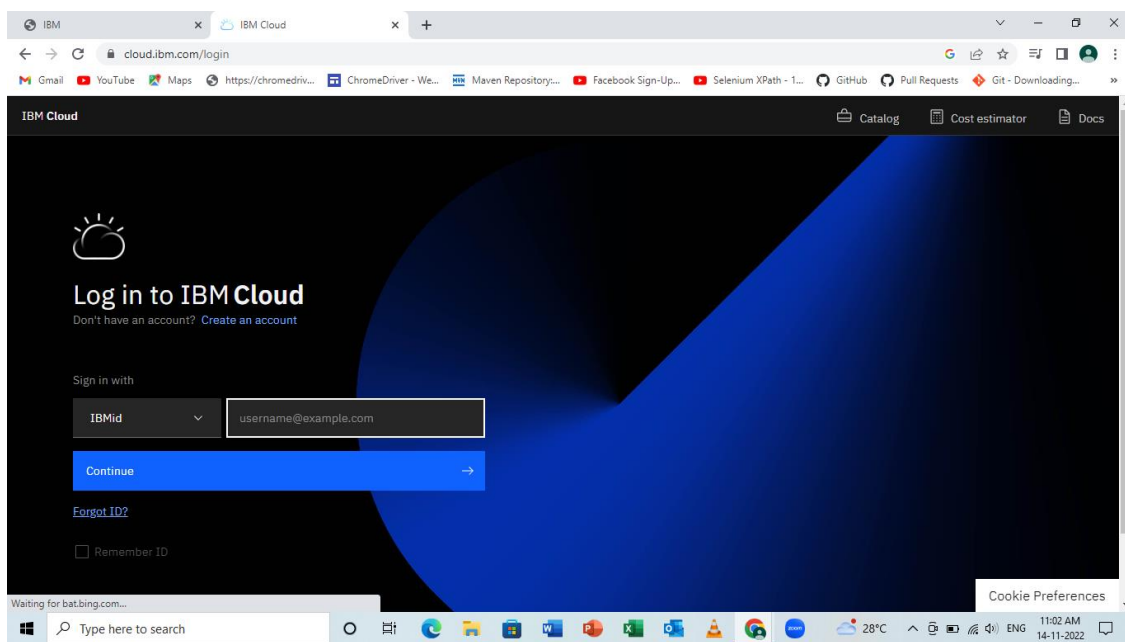
CREATE IBM WATSON IOT PLATFORM AND DEVICE

AIM:

To create the IBM Watson IoT platform and device.

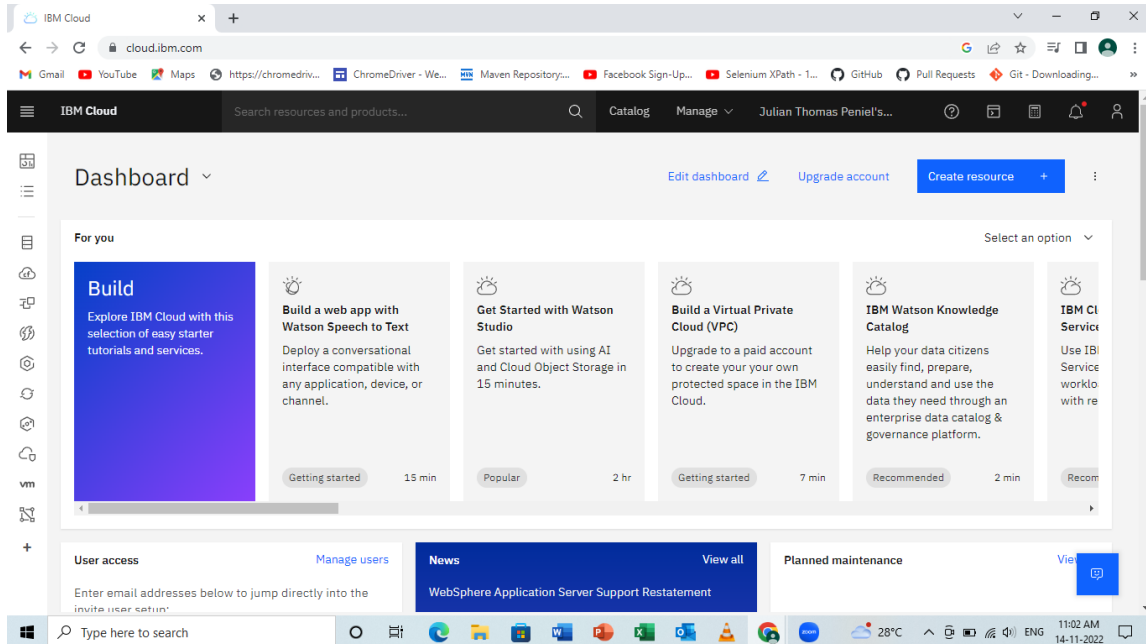
STEPS:

1. First create an IBM cloud account with IBM id and a password.

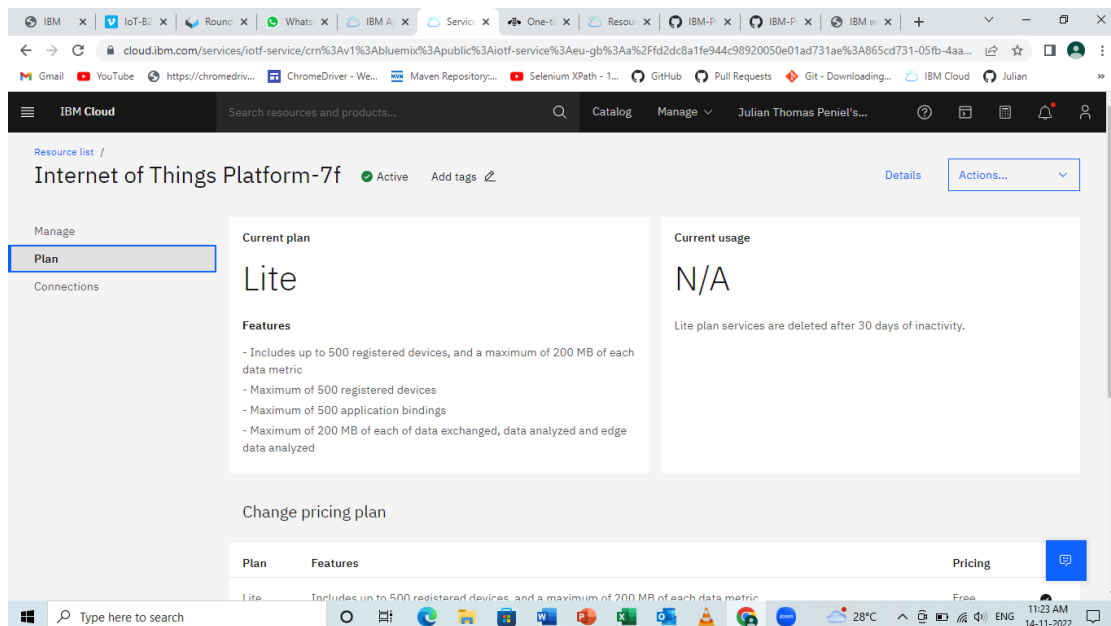


2. Home page of IBM cloud.

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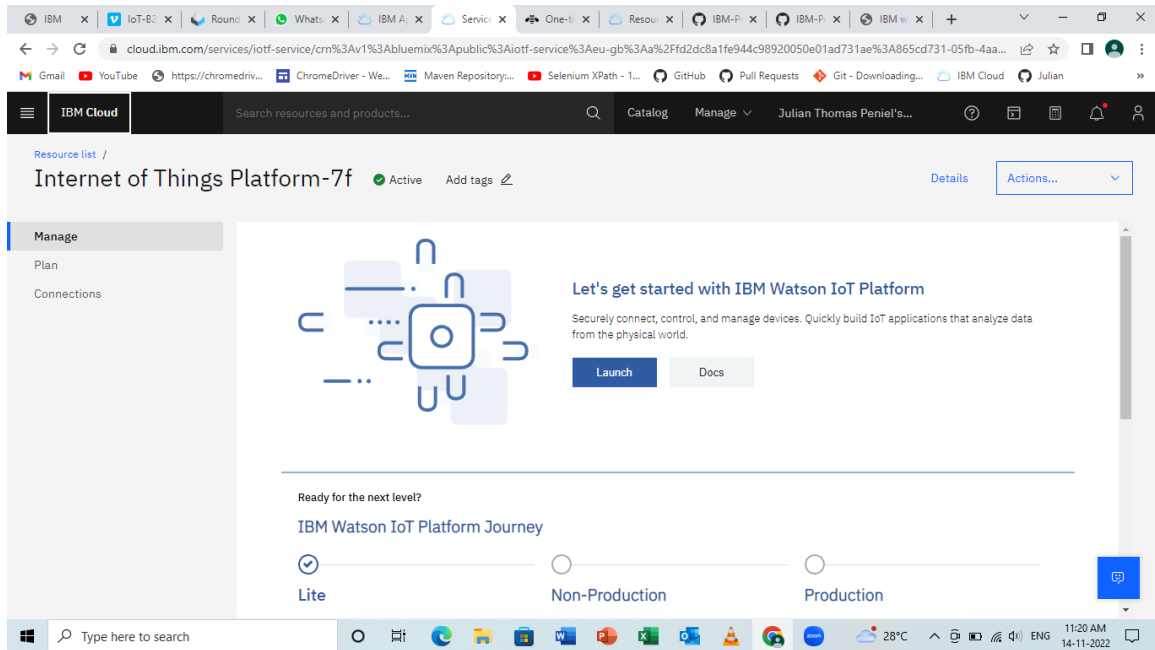


3. Internet of Things Platform Child safety will be created, where there are different options like manage, plan, and connection.

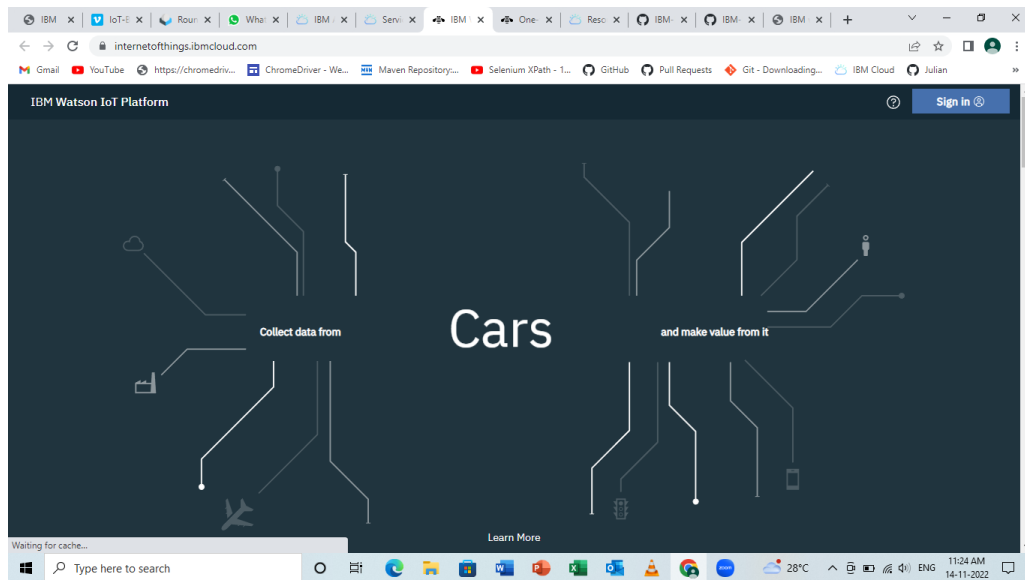


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4. Clicking on the launch button in the manage tab, it will open to this.



5. Enter the details to sign in to the Watson Cloud to create a device.



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Log in to IBM

IBMid [Forgot IBMid?](#)

310819106036@smartinternz.com

☒ Remember me ⓘ

Continue →

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

Need help? [Contact the IBMid help desk](#)

Contact Privacy Terms of use Accessibility Cookie preferences

Powered by IBM Security Verify

6. Once logged in the name will be displayed and it goes back to the first page.

IBM Watson IoT Platform

310819106036@smartinternz.com
ID: (select org)

Collect data from

Cars

and make value from it

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For more information, please review your [Cookie preferences](#) options and IBM's [privacy statement](#).

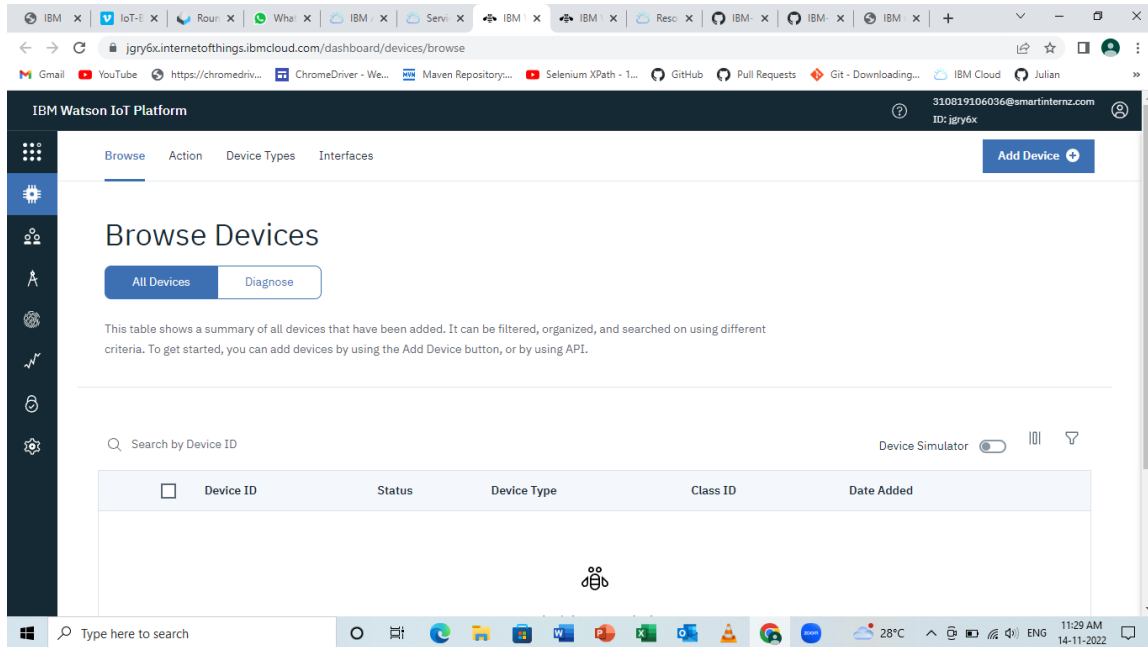
To provide a smooth navigation, your cookie preferences will be shared across the IBM web domains listed [here](#).

Accept all

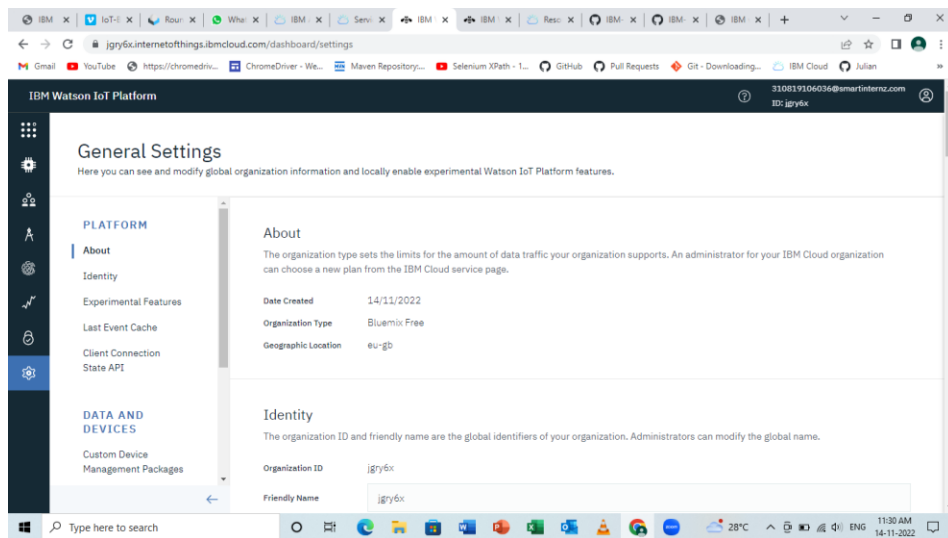
Required only

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7. And again clicking on the launch button will open this tab, the device will help in the creation of the devices, the addition of devices, and the display of details of the devices.

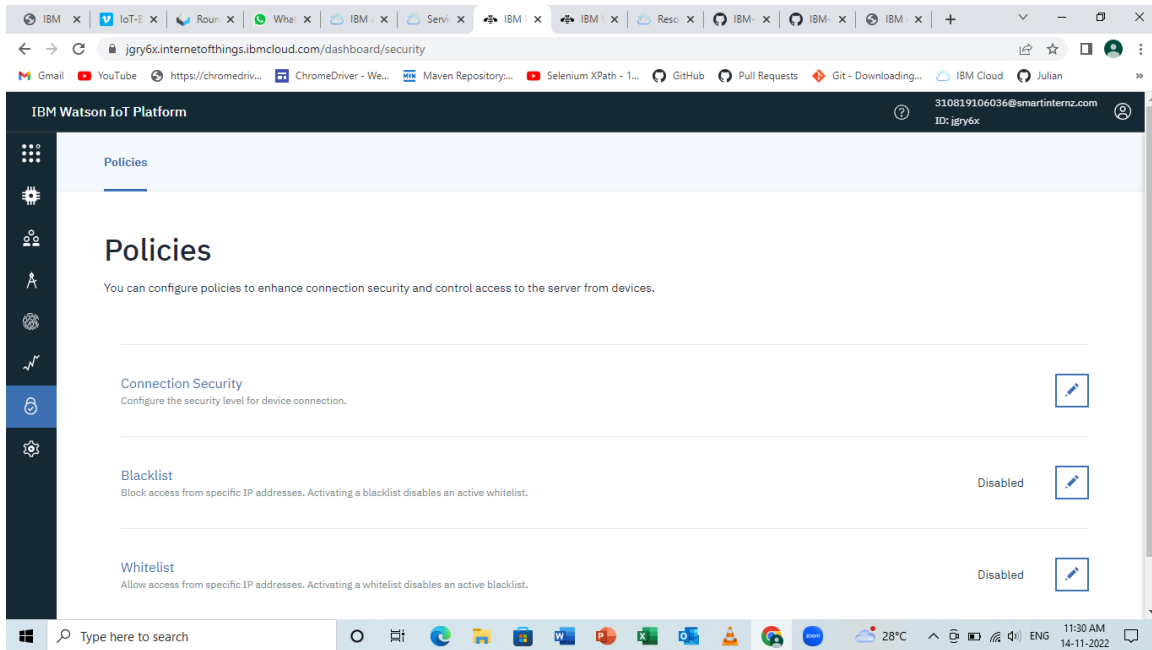


8. The setting tab is used to change the general setting if needed for the project.

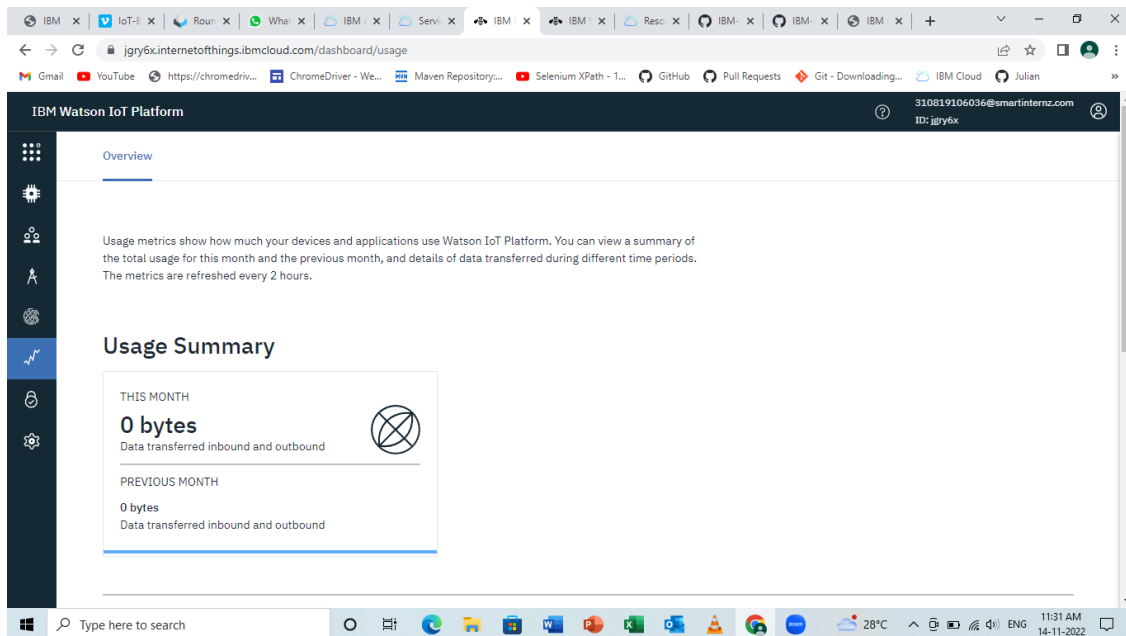


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9. the security tab we can choose the type of security connection and can change according to specification.



10. Usage gives the summary of how many bytes are used between the devices and the IBM cloud.



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11. The member tab is add the teams members to work in the platform.

The screenshot shows the 'Browse Members' page in the IBM Watson IoT Platform. The page has a dark sidebar with navigation icons. The main content area has a 'Browse' tab selected. At the top right, there is a user profile for '310819106036@smartinternz.com' with ID 'jgry6x'. Below the header, there is a search bar with the placeholder 'Type the member email to search for'. A table below shows a single member:

<input type="checkbox"/>	Email Address	Name	Role	Added By	Expires	
<input type="checkbox"/>	310819106036@smartinternz....	310819106036@smar...	Administrator	-	-	

At the bottom of the page, there is a Windows taskbar with various application icons and a system tray showing the date and time as 11:32 AM on 14-11-2022.

12. This tab is used when you want to connect to some other platform and to integrate with other services.

The screenshot shows the 'Browse API Keys' page in the IBM Watson IoT Platform. The page has a dark sidebar with navigation icons. The main content area has a 'Browse' tab selected. At the top right, there is a user profile for '310819106036@smartinternz.com' with ID 'jgry6x'. Below the header, there is a search bar with the placeholder 'Type the app description to search for'. A table below shows 0 results:

<input type="checkbox"/>	Key	Description	Role	Expires	
0 results					

Below the table, there is a bee icon and the text 'There are no API Keys'. At the bottom of the page, there is a Windows taskbar with various application icons and a system tray showing the date and time as 11:32 AM on 14-11-2022.

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13. Click on the device tab and click on the add device button, then give the device type and device id and click next.

The screenshot shows the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. The 'Add Device' wizard is displayed with a progress bar showing four steps: 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.' The 'Device Type' field is populated with 'Nodemcu' and the 'Device ID' field is populated with '199795'. At the bottom right of the wizard, there are 'Cancel' and 'Next' buttons. The browser's address bar shows the URL 'jgry6x.internetofthings.ibmcloud.com/dashboard/devices/browse/add'. The Windows taskbar at the bottom shows the search bar and various application icons, including Edge, File Explorer, and several Microsoft Office applications. The system tray on the right indicates a temperature of 28°C, the time 11:33 AM, and the date 14-11-2022.

IBM Watson IoT Platform

310819106036@smartinternz.com
ID: jgry6x

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 199795

Cancel Next

Type here to search

28°C 11:33 AM 14-11-2022

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14. This page to enter extra details and of the hardware.

The screenshot shows the 'Add Device' page in the IBM Watson IoT Platform. The page is divided into four steps: Identity, Device Information, Security, and Summary. The 'Device Information' step is currently active. It contains several input fields for device details:

Field	Input
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

Below the input fields is a button labeled 'Add Metadata +'. The top navigation bar shows the user is logged in as 'm8jgxm'.

15. Clicking on next it goes to the summary of the device then click finish.

The screenshot shows the 'Add Device' page in the IBM Watson IoT Platform, now at the 'Summary' step. The previous steps (Identity, Device Information, Security) are marked as completed. The 'Summary' step displays the following information:

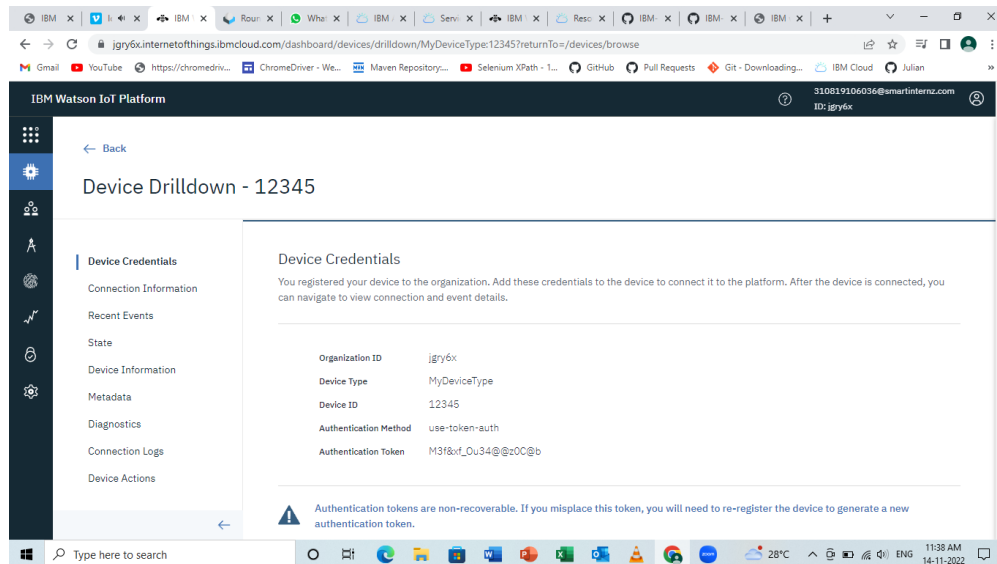
Verify that the following information is correct then select Finish

Field	Value
Device Type	MyDeviceType
Device ID	12345
Security Token	To be generated

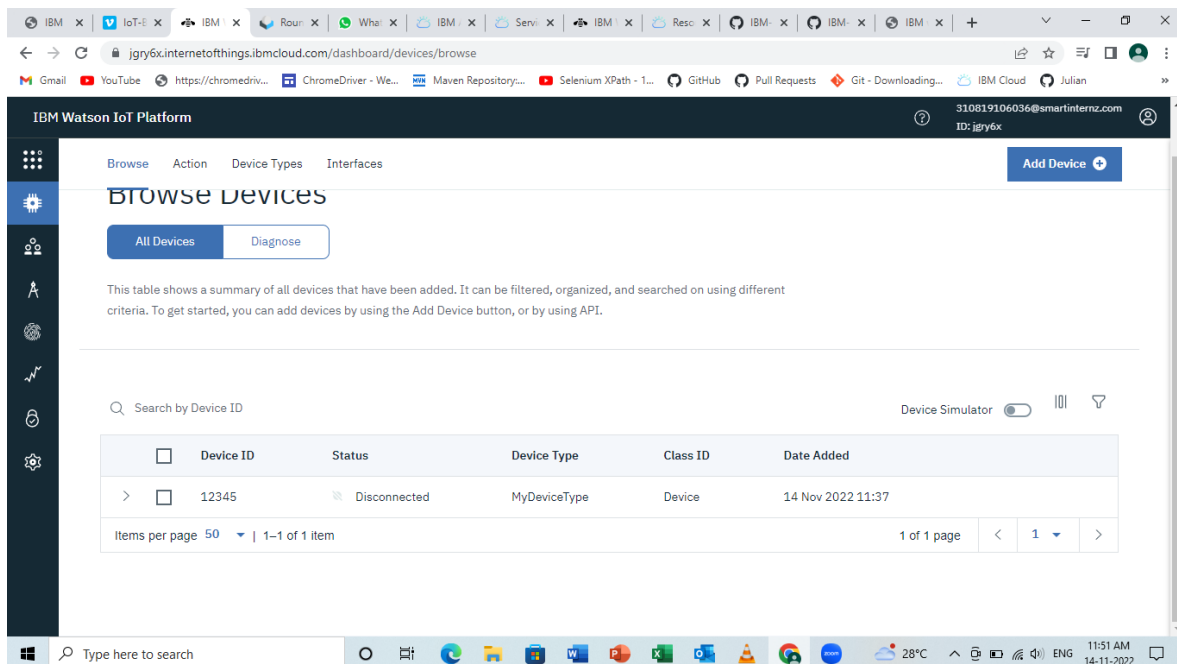
Below the table is a button labeled 'View Metadata'. At the bottom right of the page are two buttons: 'Back' and 'Finish'. The top navigation bar shows the user is logged in as 'jgry6x'.

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16. The device credentials will be displayed with all the details.



17. Clicking on the device tab we can now see the added device. Clicking on it will display the other details.



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The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar is present with the text 'Search by Device ID'. The main content area displays a table of devices. The selected device is 199795, a NodeMCU, with status 'Disconnected'. Below the table, a detailed view of the device is shown, including its identity, device information, recent events, state, and logs. The device information section shows the following details:

Identity	Device Information	Recent Events	State	Logs
Device ID	199795			
Device Type	NodeMCU			
Date Added	Nov 13, 2022 10:39 PM			
Added By	310819106036@smartinternz.com			
Connection Status	Disconnected			

The bottom of the dashboard shows a search bar and a taskbar with various application icons.

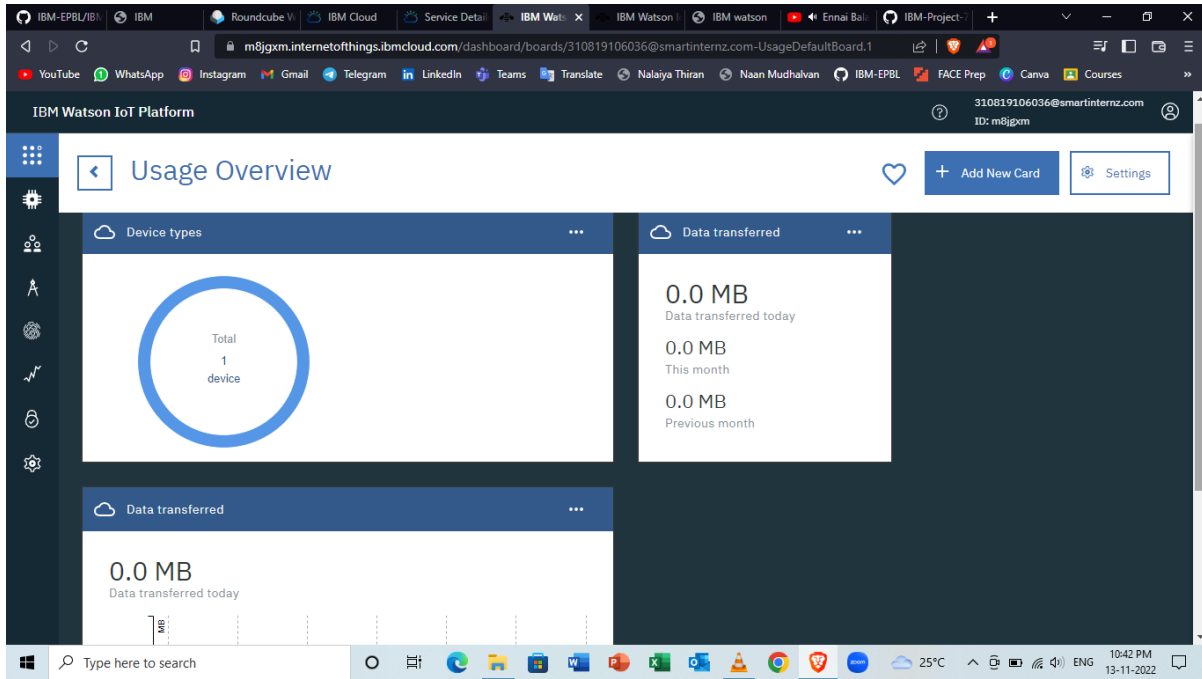
18. The Boards will display card for the project.

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Your boards' and 'Public boards'. A search bar is present with the text 'Search by Board ID'. The main content area displays a list of boards. The selected board is 'Usage Overview' with 3 cards. Below the list, a detailed view of the board is shown, including its identity, board information, recent events, state, and logs. The board information section shows the following details:

Identity	Board Information	Recent Events	State	Logs
Board ID	199795			
Board Type	NodeMCU			
Date Added	Nov 13, 2022 10:39 PM			
Added By	310819106036@smartinternz.com			
Connection Status	Disconnected			

The bottom of the dashboard shows a search bar and a taskbar with various application icons.

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RESULT:

An IBM Watson cloud for IoT and a device is created.