

## Creation of IBM WATSON IOT Platform and Device

Team id	PNT2022TMID33244
Project Name	Smart Waste Management System For Metropolitan Cities

Step 1: Login into IBM CLOUD account.

Step 2: Click on catalog and search for IOT platform.

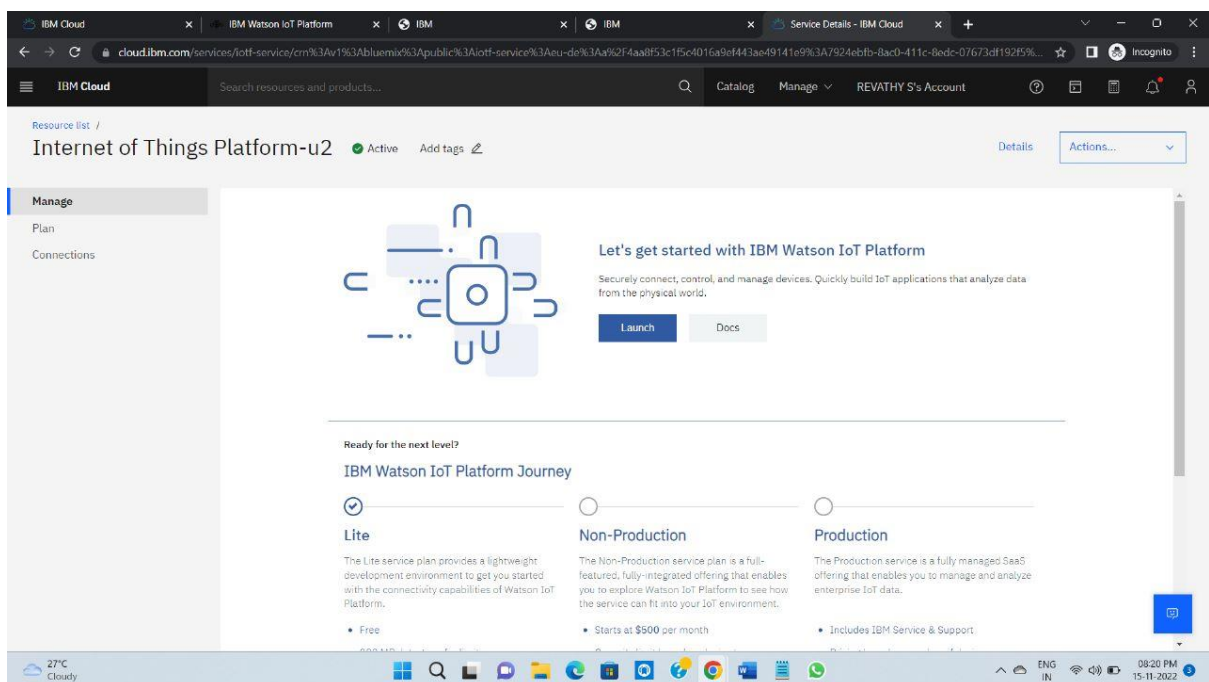
Step 3: Then search for IOT Watson platform then click on create .

Step 4: Then click on add device and give the device type and necessary details then click finish.

Step 5: Finally, IOT Watson platform is successfully created.

## Screenshots of IBM WATSON IOT Platform and Device:

### Team Lead:



The screenshot shows the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar is present with the text 'Search by Device ID'. Below this is a table listing devices. The first device is 'revathy2001', which is 'Disconnected' and of type 'Revathyhub'. A detailed view of this device is shown below the table, displaying the following information:

Identity	Device Information	Recent Events	State	Logs
Device ID	revathy2001			
Device Type	Revathyhub			
Date Added	31 Oct 2022 12:16			
Added By	922119106079@smartinternz.com			
Connection Status	Disconnected			

The bottom of the screen shows a Windows taskbar with the date and time as 08:48 PM on 15-11-2022.

## Team Member 1:

The screenshot displays the IBM Cloud service page for 'Internet of Things Platform-q1'. The page is active and shows a 'Manage' sidebar with options for 'Plan' and 'Connections'. The main content area features a section titled 'Let's get started with IBM Watson IoT Platform' with a 'Launch' button. Below this is a section titled 'Ready for the next level?' which introduces the 'IBM Watson IoT Platform Journey'. This journey is divided into three stages: 'Lite', 'Non-Production', and 'Production'.

Stage	Description	Key Features
Lite	The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.	<ul style="list-style-type: none"> <li>Free</li> <li>200 MB data-transfer limit</li> <li>500 application bindings limit</li> </ul>
Non-Production	The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.	<ul style="list-style-type: none"> <li>Starts at \$600 per month</li> <li>Capacity limit based on device type</li> <li>Optional Analytics Service and Blockchain</li> </ul>
Production	The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.	<ul style="list-style-type: none"> <li>Includes IBM Service &amp; Support</li> <li>Pricing based on number of devices per device type</li> </ul>

The bottom of the screen shows a Windows taskbar with the date and time as 20:59 on 15-11-2022.

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, 'Ranjani76', is shown in a detailed view with the following information:

Identity	Device Information	Groups	Recent Events	State	Logs
Device ID	Ranjani76				
Device Type	Ranjani				
Date Added	2 Nov 2022 13:41				
Added By	922119106076@smartinternz.com				
Connection Status	<b>Disconnected</b> Last Connected: 2 Nov 2022 14:10 Client Address: 145.40.94.93 Insecure Duration: a minute Data Transferred: 950 B				

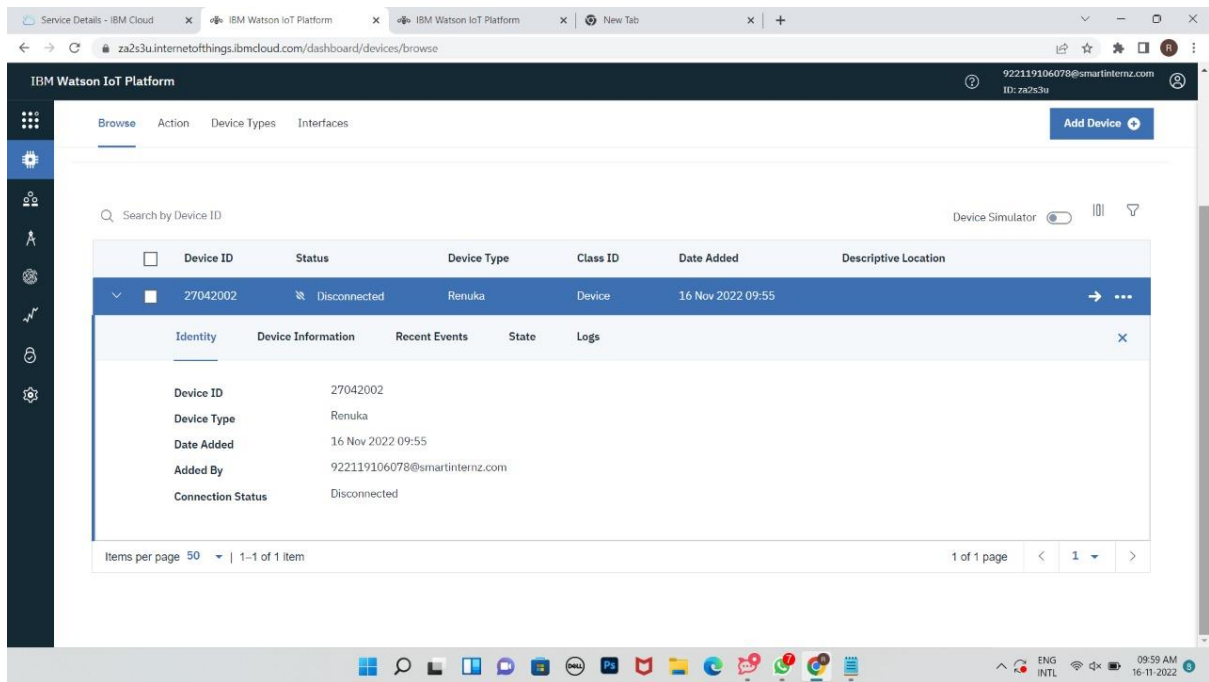
The bottom of the dashboard shows a pagination bar with 'Items per page 50' and '1-1 of 1 item'.

## Team Member 2:

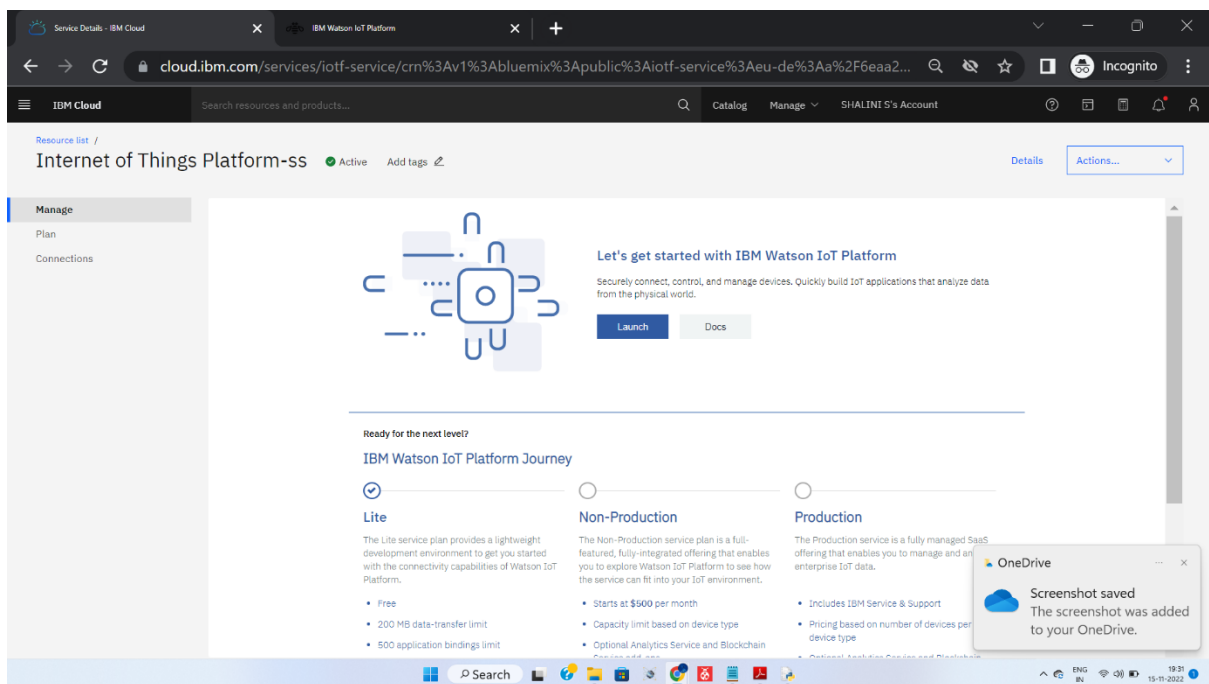
The screenshot shows the IBM Cloud 'Internet of Things Platform-8g' service page. The page includes a sidebar with 'Manage', 'Plan', and 'Connections' options. The main content area features a large graphic of a device with a central circle and arrows, and a 'Launch' button. Below this, the 'IBM Watson IoT Platform Journey' is outlined with three stages:

- Lite**: The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.
  - Free
- Non-Production**: The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.
  - Starts at \$500 per month
- Production**: The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.
  - Includes IBM Service & Support

The bottom of the page shows a Windows taskbar with various application icons and a system clock indicating 09:59 AM on 16-11-2022.



## Team Member 3:



The screenshot displays the IBM Watson IoT Platform interface. At the top, the browser address bar shows the URL `xnt2bc.internetofthings.ibmcloud.com/dashboard/devices/browse`. The page header identifies the user as `922119106091@smartinternz.com` with ID `xnt2bc`. The main navigation bar includes tabs for **Browse**, **Action**, **Device Types**, and **Interfaces**, along with an **Add Device** button.

A search bar labeled "Search by Device ID" is present. Below it, a table lists devices. The selected device is `Sha_26.15deviceid`, which is **Disconnected**. The table columns are **Device ID**, **Status**, **Device Type**, **Class ID**, **Date Added**, and **Descriptive Location**.

The detailed view for the selected device shows the following information:

- Device ID:** Sha\_26.15deviceid
- Device Type:** Sha\_26.15
- Date Added:** Oct 13, 2022 7:55 PM
- Added By:** 922119106091@smartinternz.com
- Connection Status:** **Disconnected**
  - Last Connected: Nov 14, 2022 11:09 AM
  - Client Address: 50.31.197.64 Insecure
  - Duration: a few seconds
  - Data Transferred: 670 B

At the bottom, another device `Shalini26` is partially visible, also in a **Disconnected** state. A notification box indicates "0 Simulations running".