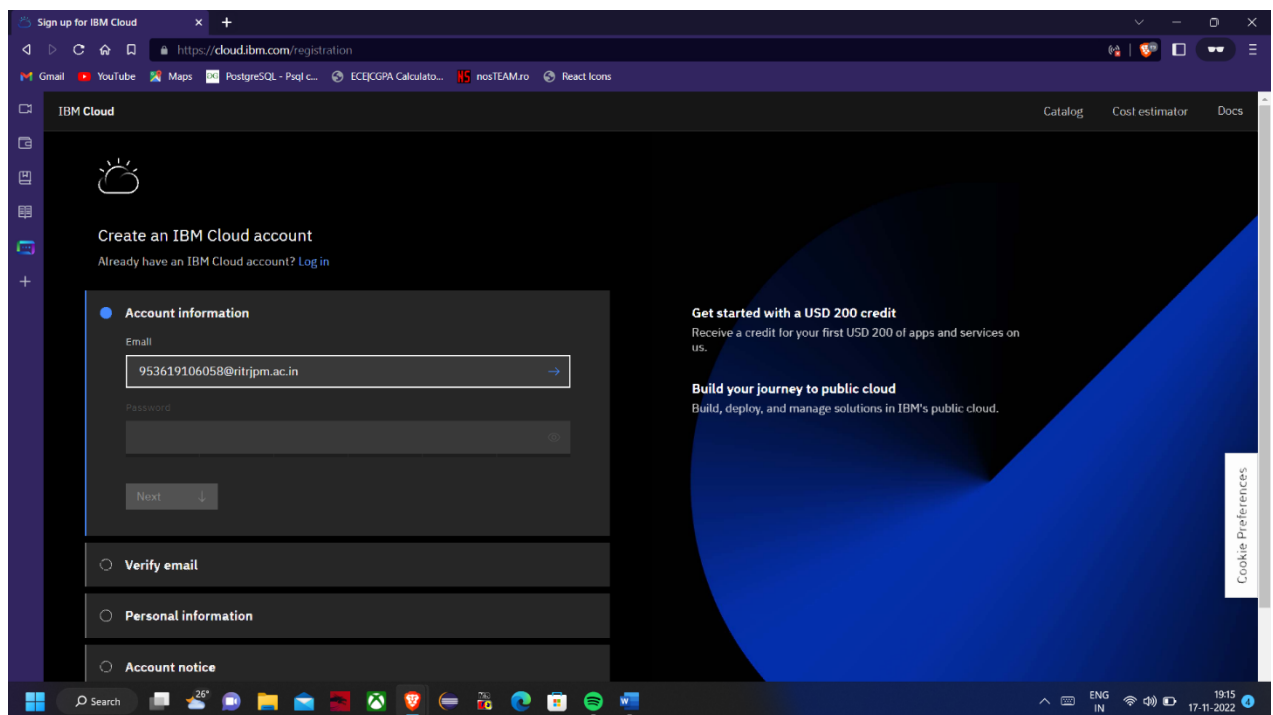


# SPRINT – 1

Date	17 November 2022
Team ID	PNT2022TMID51107
Project Name	Smart Waste Management System for Metropolitan Cities
Story points	20

## Step-1: To Create IBM Cloud



The screenshot shows the IBM Cloud registration page in a web browser. The browser's address bar displays "https://cloud.ibm.com/registration". The page has a dark theme with a blue and black color scheme. On the left, there is a sidebar with the IBM Cloud logo and navigation links. The main content area is titled "Create an IBM Cloud account" and includes a link for existing users to "Log in". Below this, there are four steps in a vertical list: "Account information" (selected), "Verify email", "Personal information", and "Account notice". The "Account information" step contains input fields for "Email" (with the value "953619106058@nitripm.ac.in") and "Password", followed by a "Next" button. To the right of the form, there is promotional text: "Get started with a USD 200 credit" and "Build your journey to public cloud". A "Cookie Preferences" button is visible on the far right. The browser's taskbar at the bottom shows various application icons and the system clock indicating 19:15 on 17-11-2022.

Sign up for IBM Cloud

https://cloud.ibm.com/registration

IBM Cloud

Create an IBM Cloud account

Already have an IBM Cloud account? [Log in](#)

**Account information**

Email

953619106058@nitripm.ac.in

Password

Next

**Get started with a USD 200 credit**

Receive a credit for your first USD 200 of apps and services on us.

**Build your journey to public cloud**

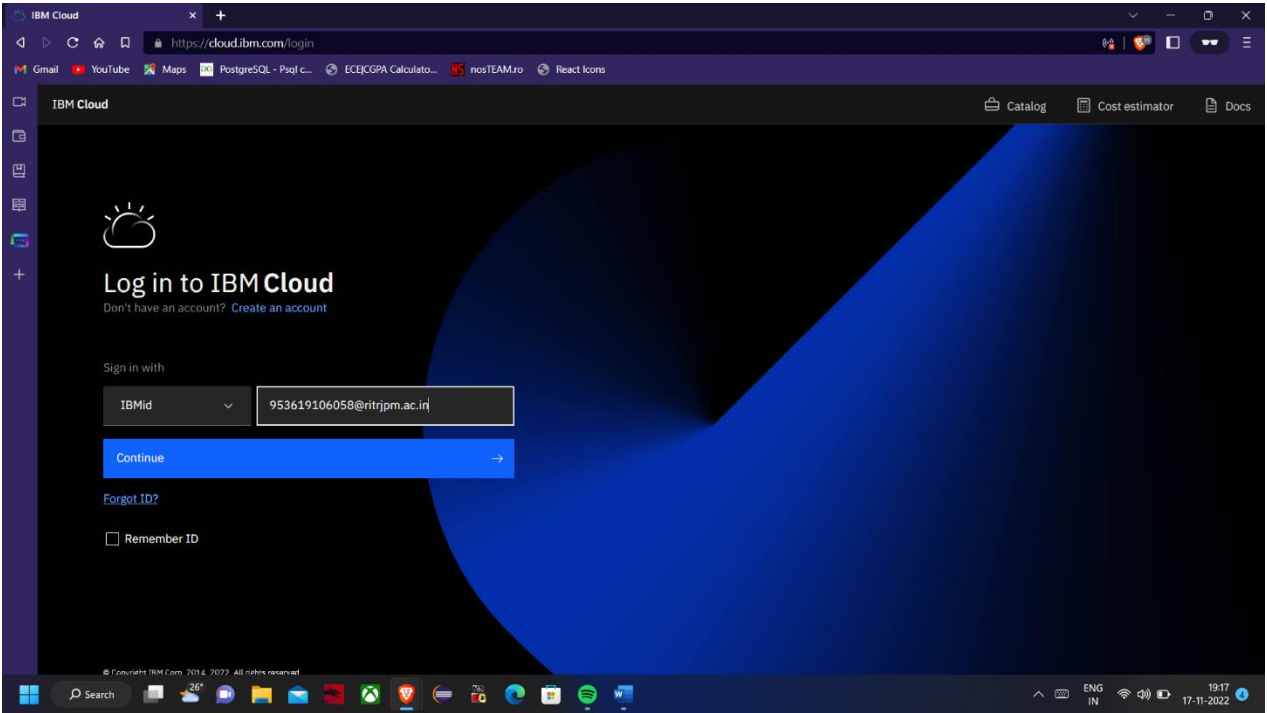
Build, deploy, and manage solutions in IBM's public cloud.

Catalog Cost estimator Docs

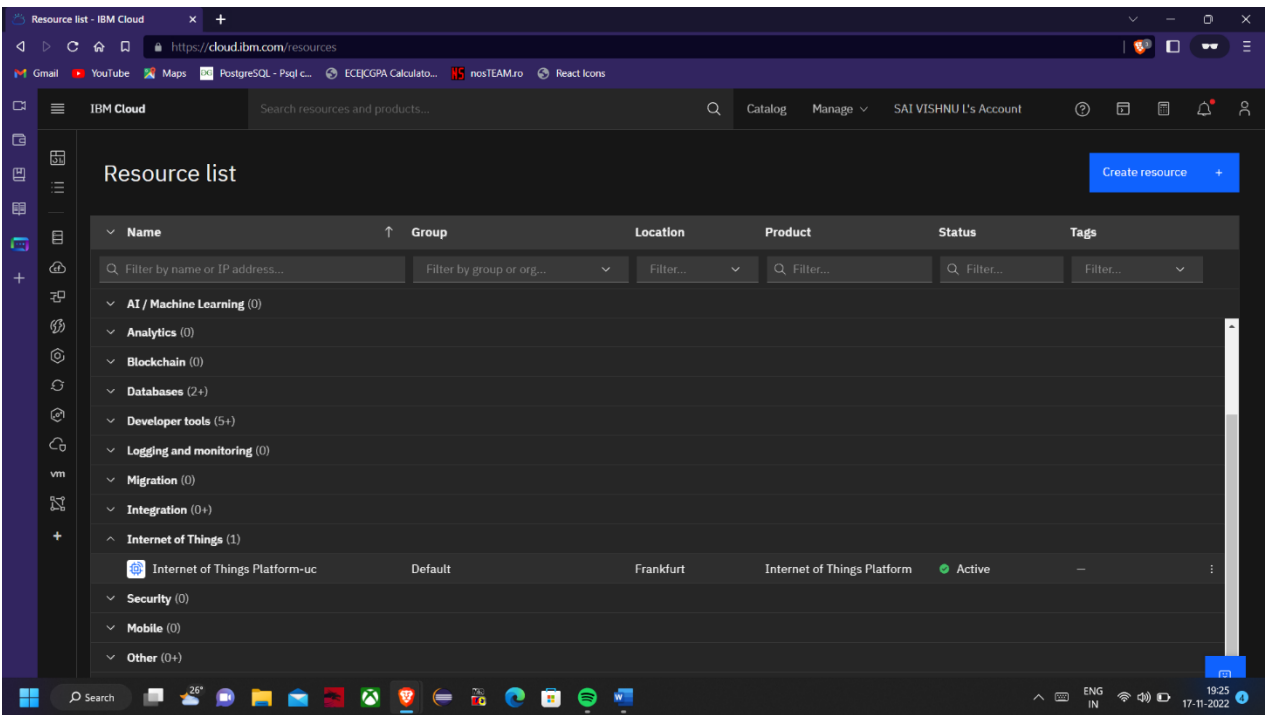
Cookie Preferences

Search 26° ENG IN 19:15 17-11-2022

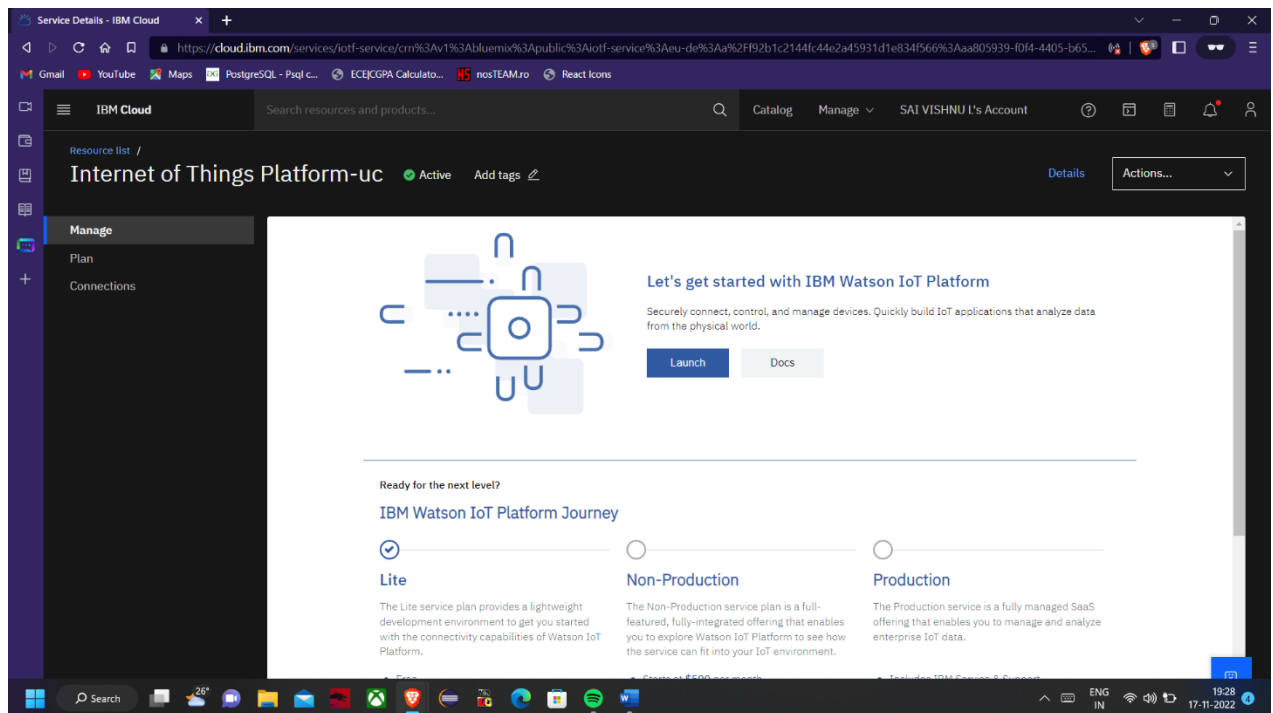
## Step-2: Login to IBM Cloud Account



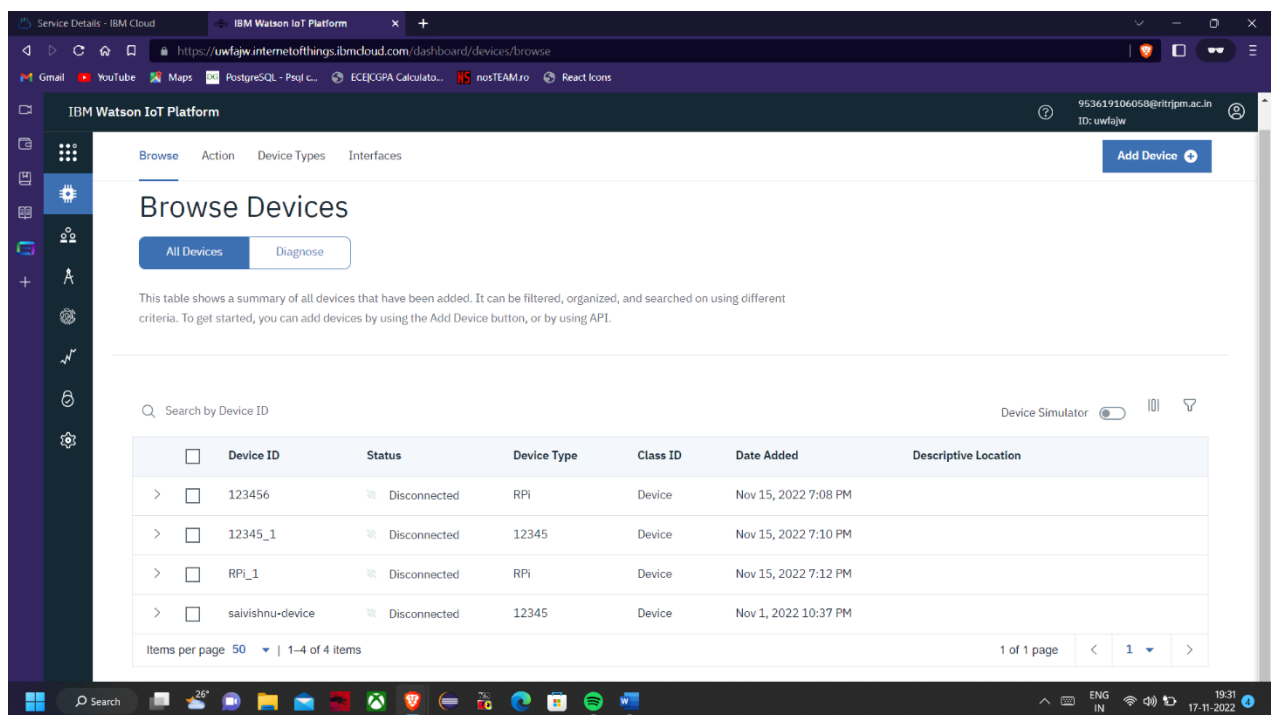
## Step-3: Using IBM CLOUD Services for the Project



## Step-4: Configure IBM Watson IOT Platform



## Step-5: IBM Watson IOT Platform is Created



**Step-6:** To Connect the IOT Device to the IBM Cloud, Create Device in the IBM Watson IoT Platform and Get the Device Credentials

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A table lists devices with columns: Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. The device 'RPi\_1' is selected, and its details are shown in a sidebar. The details include: Device ID (RPi\_1), Device Type (RPi), Date Added (Nov 15, 2022 7:12 PM), Added By (953619106058@ritrjpm.ac.in), and Connection Status (Disconnected). The connection status also shows: Last Connected: Nov 15, 2022 7:16 PM, Client Address: 157.49.200.107, SecureToken, Duration: 4 minutes, and Data Transferred: 12.3 KB.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
123456	Disconnected	RPi	Device	Nov 15, 2022 7:08 PM	
12345_1	Disconnected	12345	Device	Nov 15, 2022 7:10 PM	
RPi_1	Disconnected	RPi	Device	Nov 15, 2022 7:12 PM	
saivishnu-device	Disconnected	12345	Device	Nov 1, 2022 10:37 PM	

**Device Details for RPi\_1:**

- Device ID: RPi\_1
- Device Type: RPi
- Date Added: Nov 15, 2022 7:12 PM
- Added By: 953619106058@ritrjpm.ac.in
- Connection Status: Disconnected
- Last Connected: Nov 15, 2022 7:16 PM
- Client Address: 157.49.200.107
- SecureToken
- Duration: 4 minutes
- Data Transferred: 12.3 KB

**Step-10:** Connect the Device with IOT Device and Start Simulating

The screenshot shows the IBM Watson IoT Platform dashboard with the 'Simulations' panel open. The panel displays '1/50 Simulations Running' and a 'New Simulation' button. Below this, the 'Device Type' is set to 'RPi'. A list of devices shows 'RPi\_1' selected. At the bottom, there are buttons for 'Create Simulated Device' and 'Use Registered Device'. The panel also shows '7 events sent' and '175 bytes sent'.

**Simulations Panel:**

- 1/50 Simulations Running
- New Simulation
- Device Type: RPi
- 1 Event
- RPi\_1
- Create Simulated Device
- Use Registered Device
- 7 events sent
- 175 bytes sent