

## Sprint-2

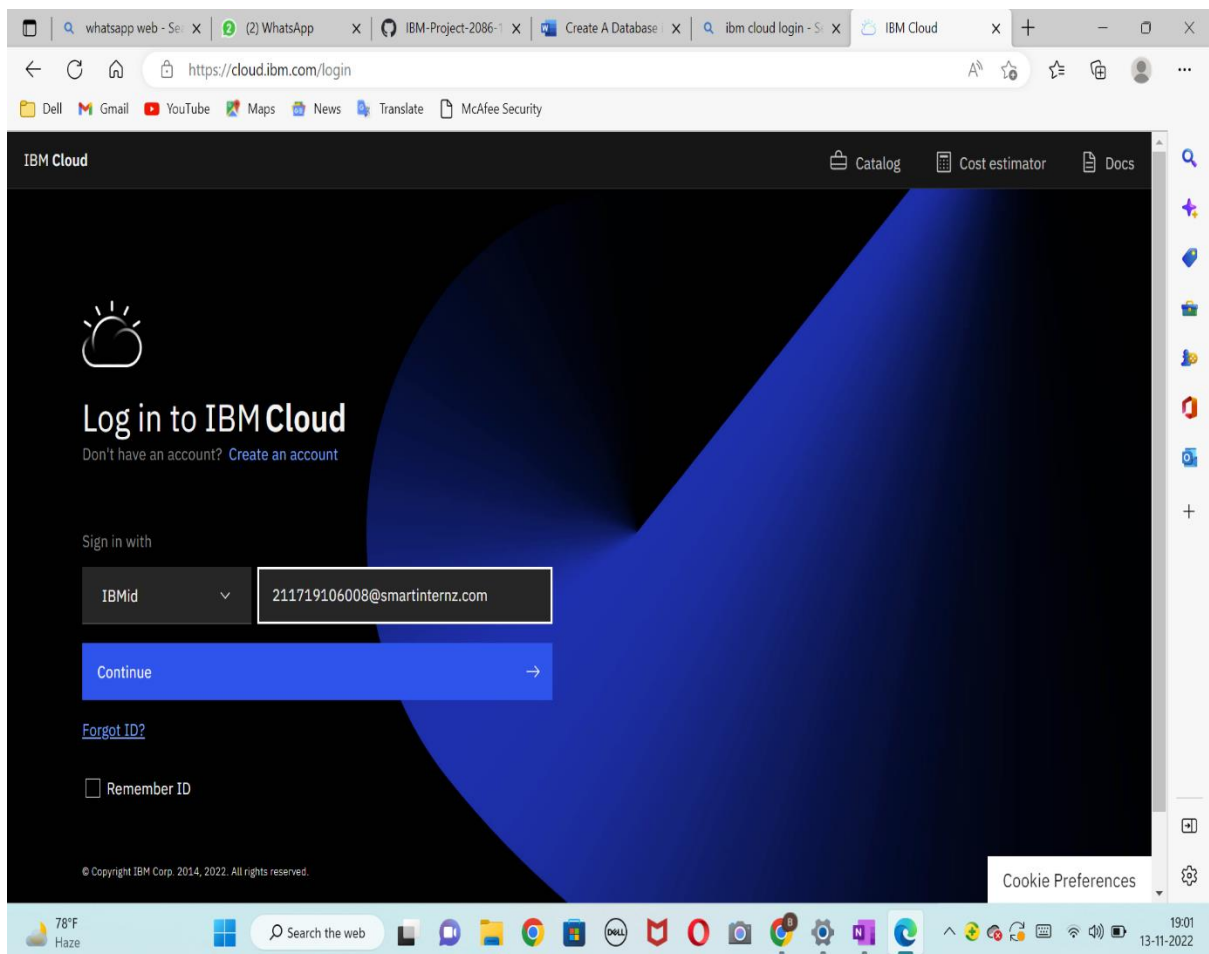
Team ID	PNT2022TMID26475
Project Name	IOT Based Safety Gadget for Child Safety Monitoring and Notification.
Team Members	Adhilakshmi,Bhargavi,Bhuvaneshwari,Hemapriya

### Goal:

Create and configure the IBM cloud service.

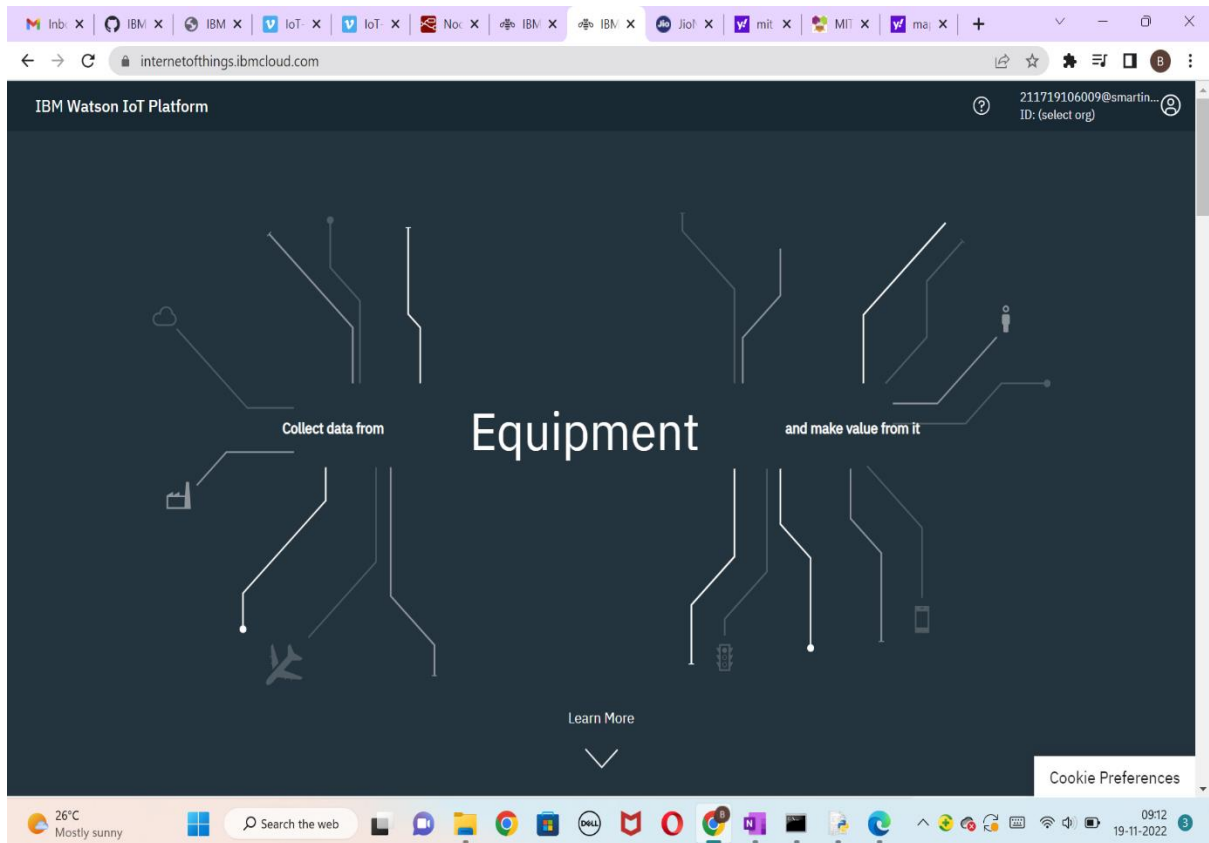
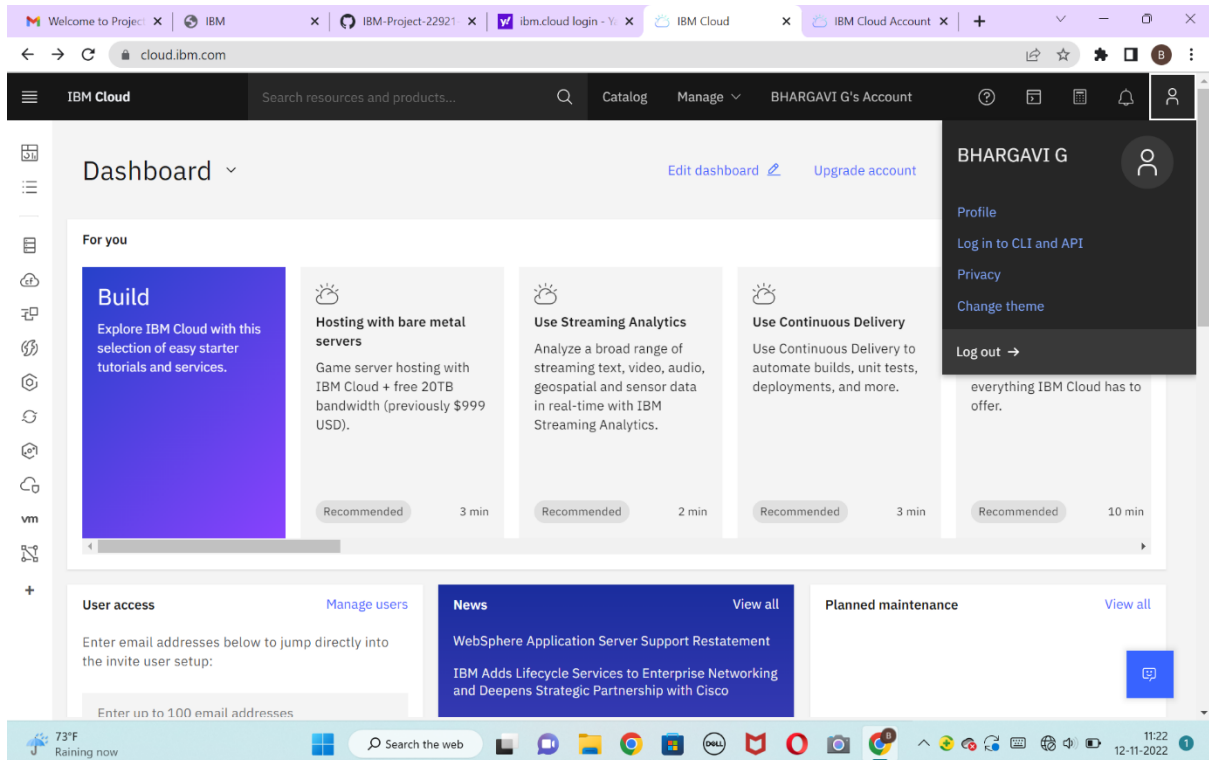
### Step-1:

To create a IBM cloud service:



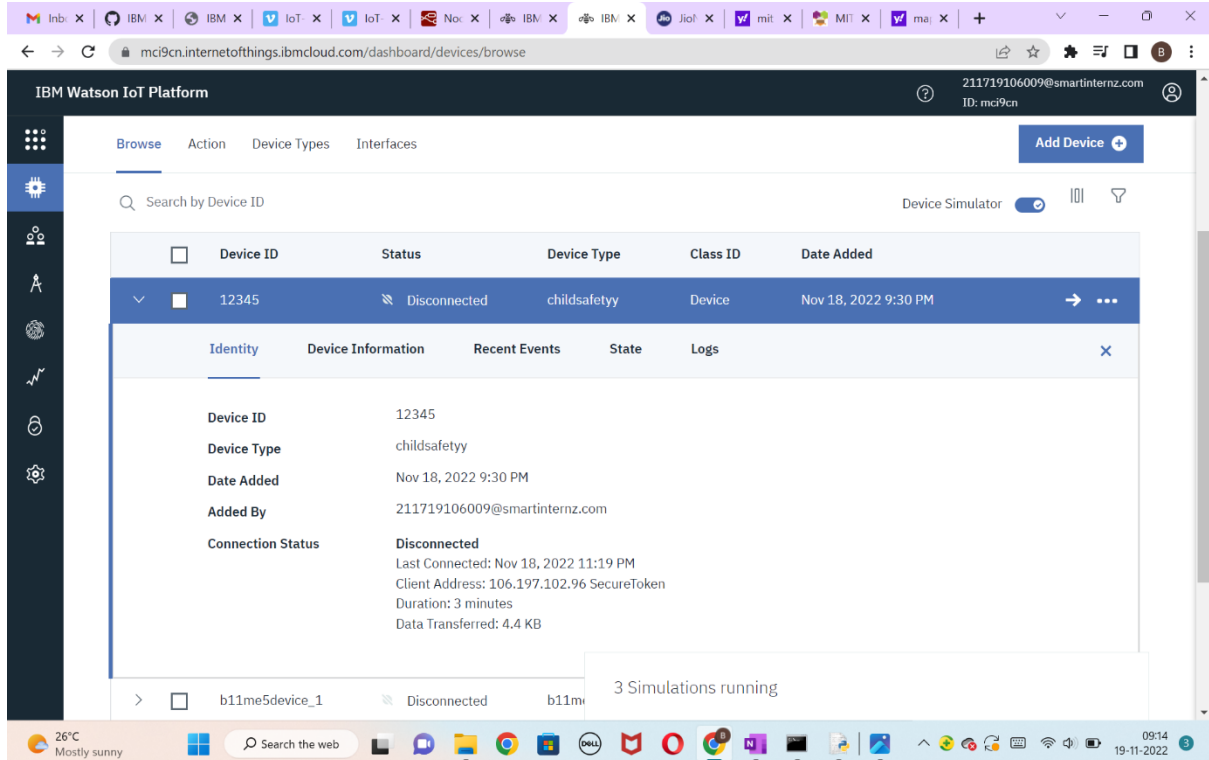
## Step 2:

### Create IBM Watson IoT Platform and Device:



## Step 3:

In order to connect the IoT device to the IBM cloud create a device in the IBM Watson platform and get the device credential.



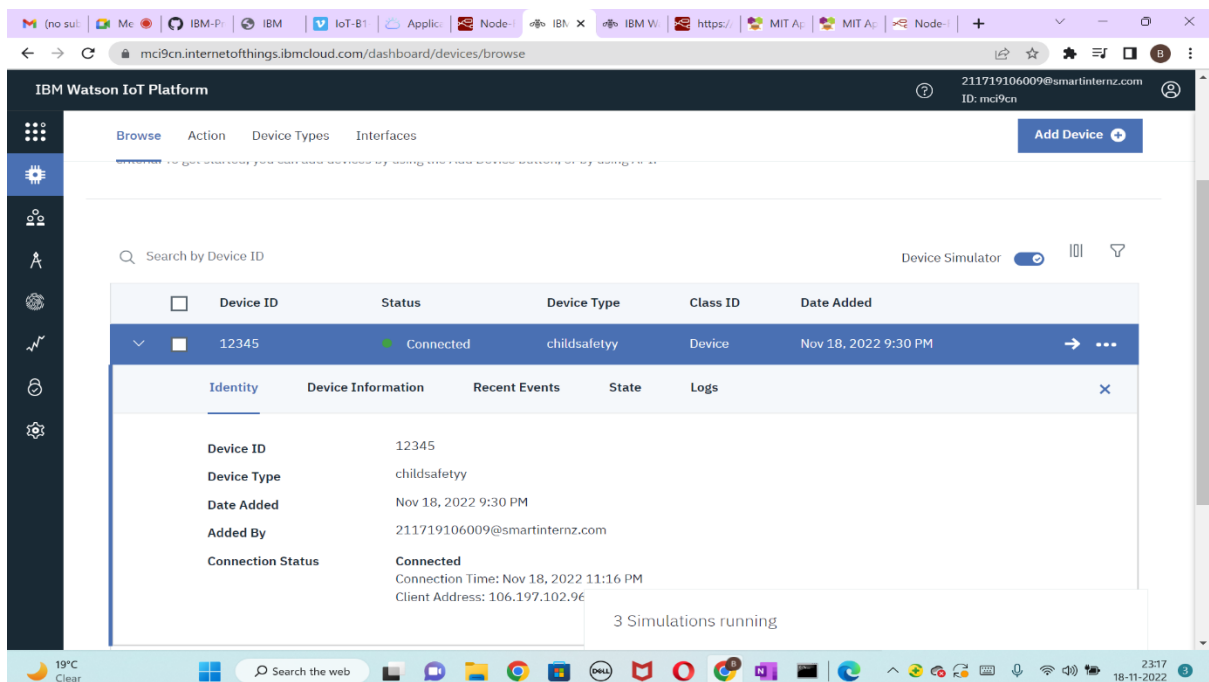
The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar is present with the text 'Search by Device ID'. The main table lists devices with columns: Device ID, Status, Device Type, Class ID, and Date Added. The first device, ID 12345, is in a 'Disconnected' state. A detailed view for this device is shown below the table, displaying fields: Device ID (12345), Device Type (childsafetyy), Date Added (Nov 18, 2022 9:30 PM), Added By (211719106009@smartinternz.com), and Connection Status (Disconnected). The connection status details include: Last Connected: Nov 18, 2022 11:19 PM, Client Address: 106.197.102.96, SecureToken, Duration: 3 minutes, and Data Transferred: 4.4 KB. A notification at the bottom right states '3 Simulations running'.

Device ID	Status	Device Type	Class ID	Date Added
12345	Disconnected	childsafetyy	Device	Nov 18, 2022 9:30 PM

Field	Value
Device ID	12345
Device Type	childsafetyy
Date Added	Nov 18, 2022 9:30 PM
Added By	211719106009@smartinternz.com
Connection Status	Disconnected
Last Connected: Nov 18, 2022 11:19 PM	
Client Address: 106.197.102.96 SecureToken	
Duration: 3 minutes	
Data Transferred: 4.4 KB	

## Step 4:

Integrate the IBM code with IoT Watson Platform.



The screenshot shows the IBM Watson IoT Platform dashboard, similar to the previous one, but the device with ID 12345 is now in a 'Connected' state. The detailed view for this device shows the Connection Status as 'Connected'. The connection details include: Connection Time: Nov 18, 2022 11:16 PM and Client Address: 106.197.102.96. The notification at the bottom right still states '3 Simulations running'.

Device ID	Status	Device Type	Class ID	Date Added
12345	Connected	childsafetyy	Device	Nov 18, 2022 9:30 PM

Field	Value
Device ID	12345
Device Type	childsafetyy
Date Added	Nov 18, 2022 9:30 PM
Added By	211719106009@smartinternz.com
Connection Status	Connected
Connection Time: Nov 18, 2022 11:16 PM	
Client Address: 106.197.102.96	

## Step 5:

```
Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\B.SOMESHWARAN\Documents\child_safety.py =====
2022-11-18 23:03:28,522 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:mcii9cn:childsafettyy:12345
Published data Successfully: %s {'name': 'Smartbridge', 'lat': 17.4225176, 'lon': 78.588783}
Published data Successfully: %s {'name': 'Smartbridge', 'lat': 17.4225176, 'lon': 78.588783}
Published data Successfully: %s {'name': 'Smartbridge', 'lat': 17.4225176, 'lon': 78.588783}
Published data Successfully: %s {'name': 'Smartbridge', 'lat': 17.4225176, 'lon': 78.588783}
Published data Successfully: %s {'name': 'Smartbridge', 'lat': 17.4225176, 'lon': 78.588783}
```