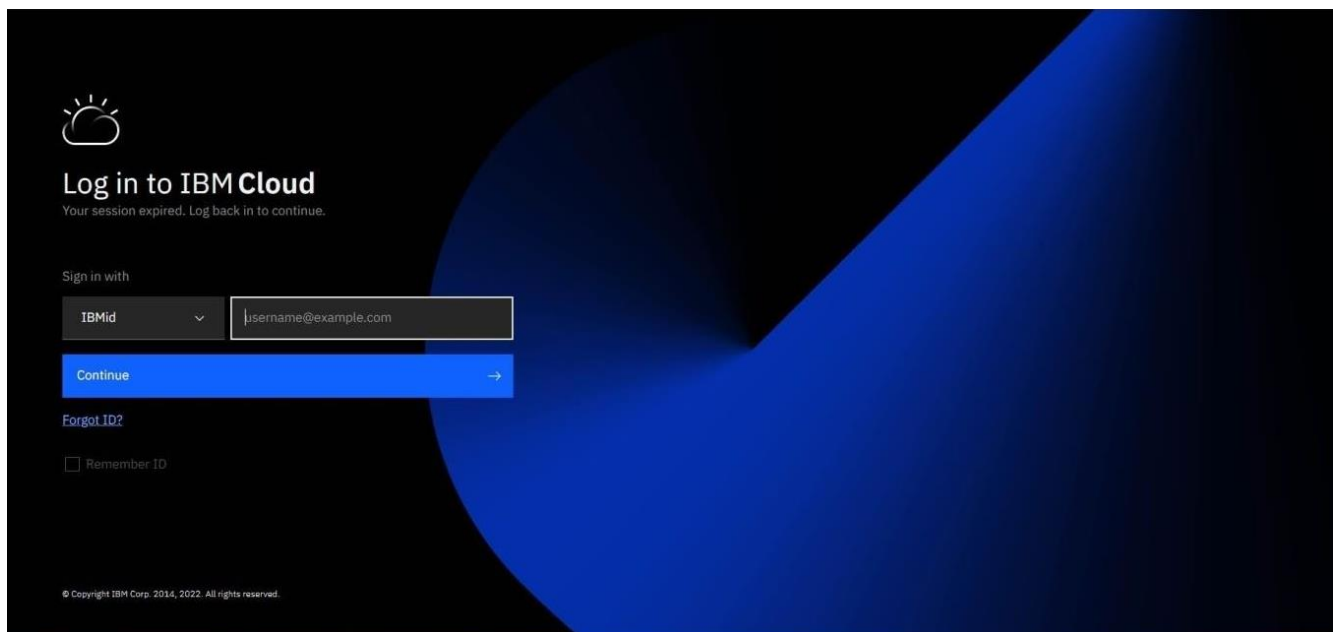


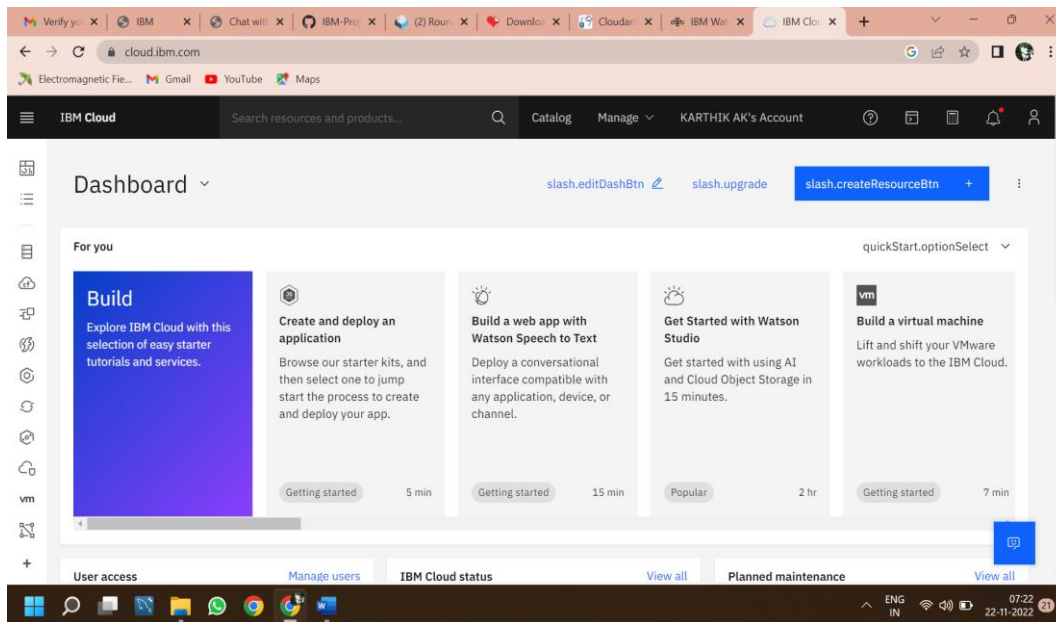
## CREATE IBM WATSON IOT PLATFORM AND DEVICE

Date	21-10-2022
Team ID	PNT2022TMID36121
Project Name	Project - IOT based safety gadget for child safety monitoring and notification
Team members	Karthik A K Arun kumar T Dinesh Benjamin M V Chidhambaram S

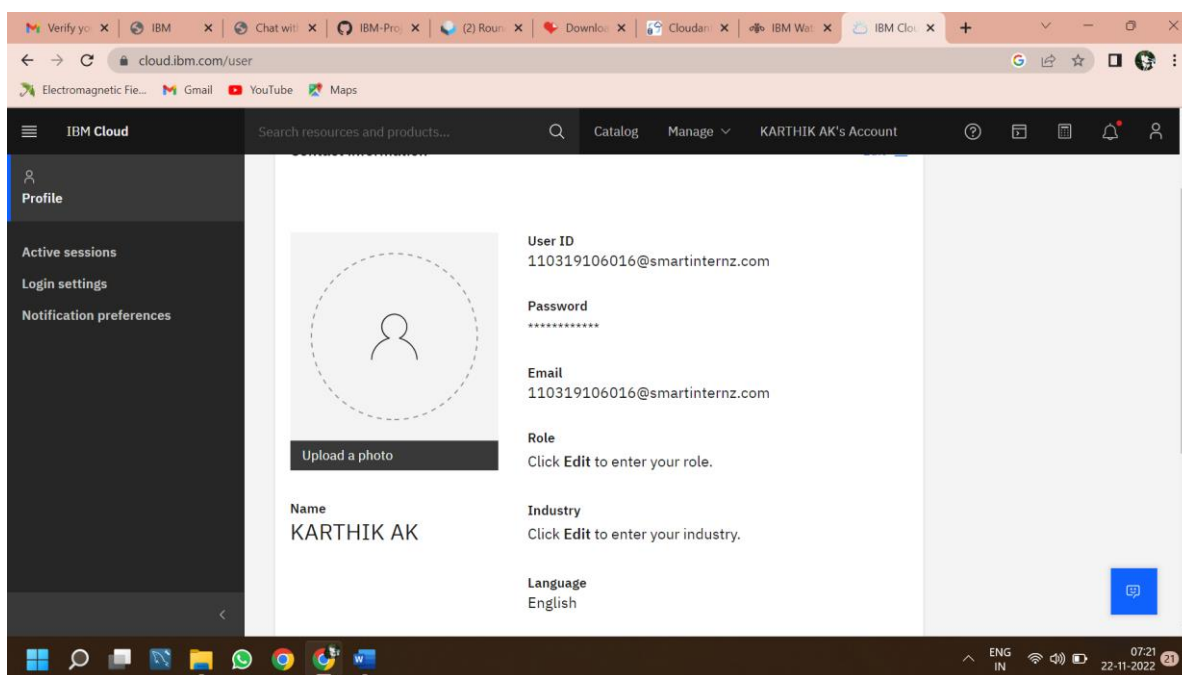
### STEPS:

- Firstly create an IBM cloud account with IBMid and password





## ➤ Profile of IBM cloud



- If already a lite is present delete it else u can't create another
- Enter the location and in the configure your resource type the service name and choose the plan, tick the agree with agreements and then click on create

The screenshot displays the IBM Cloud 'Internet of Things Platform' creation interface. The browser address bar shows the URL `cloud.ibm.com/catalog/services/internet-of-things-platform`. The page header includes the IBM Cloud logo, a search bar, and navigation links for 'Catalog', 'Manage', and the user account 'KARTHIK AK's Account'.

**Internet of Things Platform**  
This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data.

**Create** | About

**Type Service**  
Provider: IBM  
Last updated: 08/15/2022  
Category: Internet of Things  
Compliance: IAM-enabled

**Select a location**  
London (eu-gb)

**Select a pricing plan**  
Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

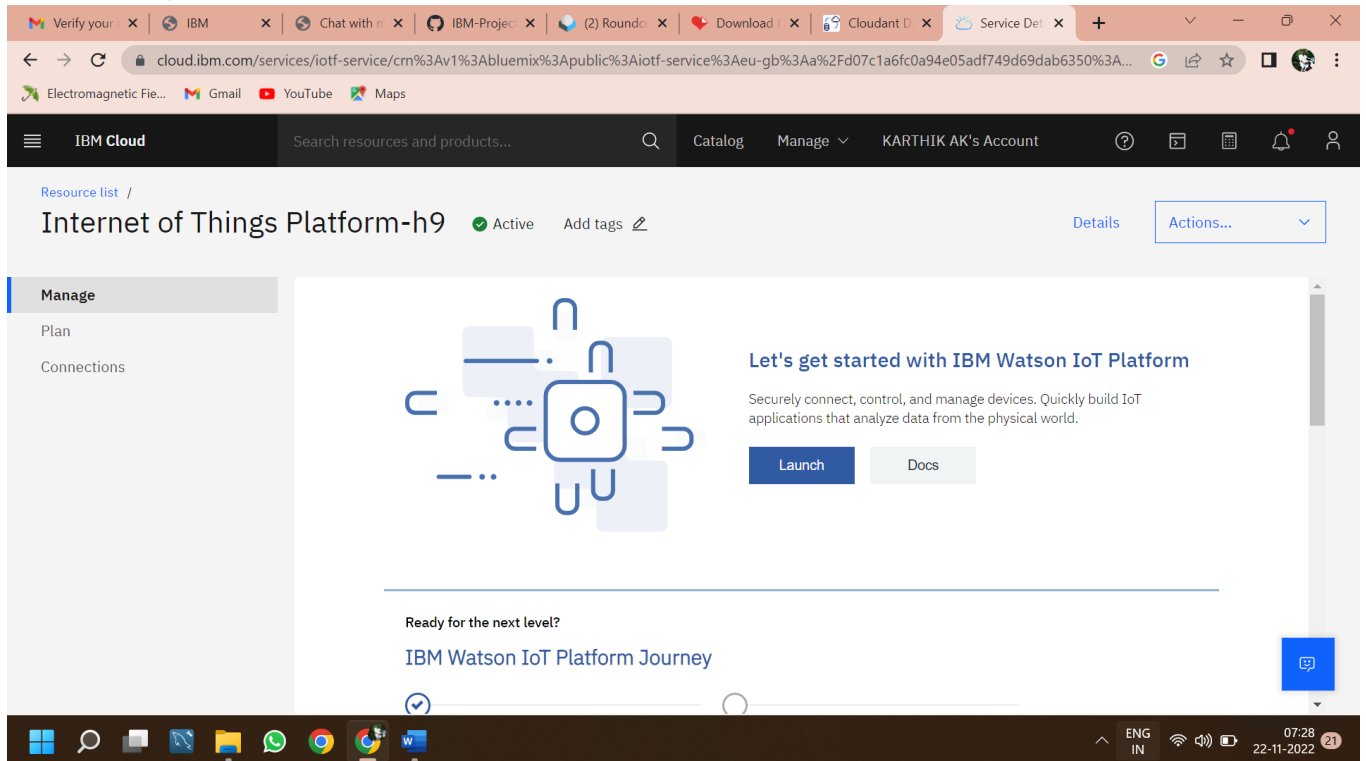
Plan	Features	Pricing
Lite	Includes up to 500 registered devices, and a	Free

**Summary**  
**Internet of Things Platform** **Free**  
Location: London  
Plan: Lite  
Service name: Internet of Things Platform-  
ps  
Resource group: Default

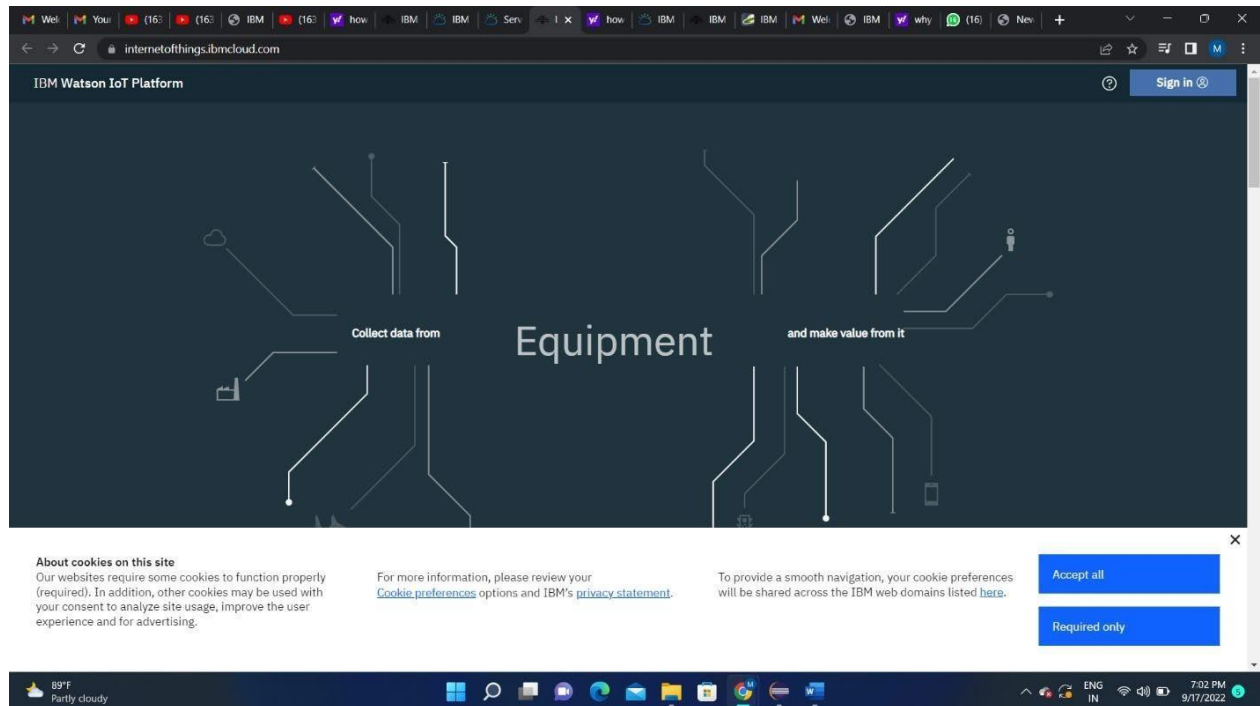
**Existing Lite plan instance**  
You can have only 1 Lite plan instance of this service per resource group. [Delete](#) your current Lite plan instance in Default resource group to create a new one, or [view the existing instance](#).

☒ I have read and agree to the following license agreements:

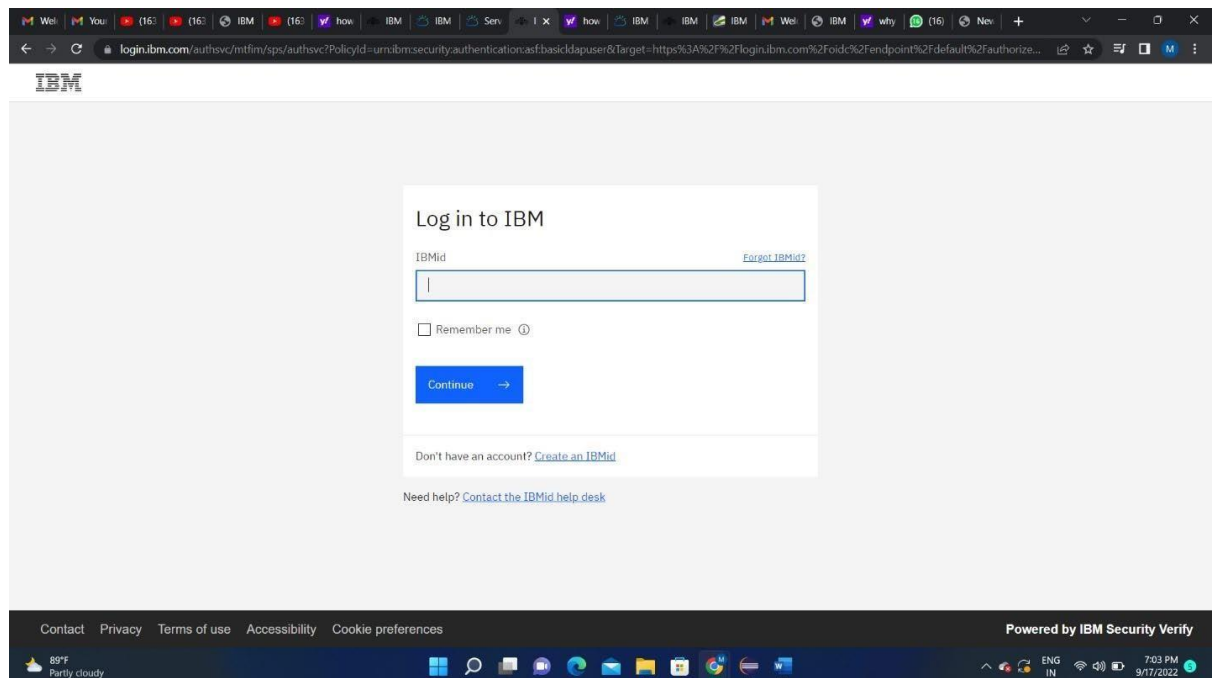
- Internet of Things Platform Child\_safety will be created, where there are different options like manage, plan, and connection ( manage is for launch, Plan gives us the idea about the payment package and its upgrades, and lastly the connection is for to connect IoT with other services)



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



➤ Enter the details to sign in to the Watson Cloud to create a device



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

IBM Watson IoT Platform

Browse Action Device Types Interfaces

## Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator ☒

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
> <input type="checkbox"/>	765432	Disconnected	karthi	0 Simulations running	

Items per page: 50 1 of 1 item

110319106016@smartinternz.com  
ID: nrttyk

nrttyk  
ID: nrttyk  
Bluemix Free

[Service Status](#)  
[Terms](#)  
[Privacy](#)  
[Support](#)  
[Blog](#)

Sign Out

ENG IN 07:29 22-11-2022

- The device credentials will be displayed with all the details
- Safe the details of the device as the authentication tokens are non-recoverable and if misplaced then we have to create a new one.

The screenshot displays the IBM Watson IoT Platform interface. The browser address bar shows the URL: `nrtzek.internetofthings.ibmcloud.com/dashboard/devices/drilldown/karhi:765432?returnTo=/devices/browse`. The user is logged in as `110319106016@smartinternz.com` with ID `nrtzek`.

The main content area is titled "Device Drilldown - 765432". On the left, a sidebar menu lists various options: Connection Information (selected), Recent Events, State, Device Information, Metadata, Diagnostics, Connection Logs, and Device Actions. The "Connection Information" section displays the following details:

Connection Information	
Basic connection information about this device.	
Device ID	765432
Device Type	karhi
Date Added	22 Nov 2022 6:57 AM
Added By	110319106016@smartinternz.com
Connection Status	Disconnected

Below the connection information, there are two sections: "Recent Events" and "0 Simulations running".

The Windows taskbar at the bottom shows the time as 07:31 on 22-11-2022, with system icons for language (ENG IN), network, and battery.

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

It has different tabs like Identity, Device Information, State and login.

The screenshot displays the IBM Watson IoT Platform dashboard. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. The 'Browse' tab is active, showing a list of devices. The dashboard header includes the user's email '110319106016@smartinternz.com' and ID 'ID: nrtiek'. The main content area features a search bar 'Search by Device ID' and a 'Device Simulator' toggle. Below this is a table with columns: Device ID, Status, Device Type, Class ID, and Date Added. The table contains one entry with Device ID '765432', Status 'Disconnected', Device Type 'karthi', Class ID 'Device', and Date Added '22 Nov 2022 6:57 AM'. The bottom of the dashboard shows '0 Simulations running'.

Device ID	Status	Device Type	Class ID	Date Added
765432	Disconnected	karthi	Device	22 Nov 2022 6:57 AM



Verify yc x IBM x Chat wit x IBM-Proj x (2) Roun x Downlo x Cloudant x Service I x IBM Wat x

nrttyek.internetofthings.ibmcloud.com/dashboard/devices/browse

Electromagnetic Fie... Gmail YouTube Maps

### IBM Watson IoT Platform

Browse Action Device Types Interfaces

Identity Device Information Recent Events

The recent events listed show the live stream of data that is coming from the device.

Event	Value
event_1	{"randomNumber": 63, "motion": 63, "temperature": 63}
event_1	{"randomNumber": 73, "motion": 96, "temperature": 96}
event_1	{"randomNumber": 83, "motion": 32, "temperature": 32}
event_1	{"randomNumber": 80, "motion": 38, "temperature": 38}

Device Type: karthi

Events 1 [New event type +](#)

Event type name event\_1 [Send](#) [Delete](#)

Schedule 20 Every Minute

Payload Specify the event payload in the editor window or by uploading a [CSV file](#).

```
0 {
1   "randomNumber": random(0, 100),
2   "motion": random(0, 100),
3   "temperature": random(0, 100)
4 }
5
```

## RESULT:

An IBM Watson cloud for IoT and a device is created