CREATE IBM WATSON IOT PLATFORM AND DEVICE CREATE IBM WATSON IOT PLATFORM AND DEVICE

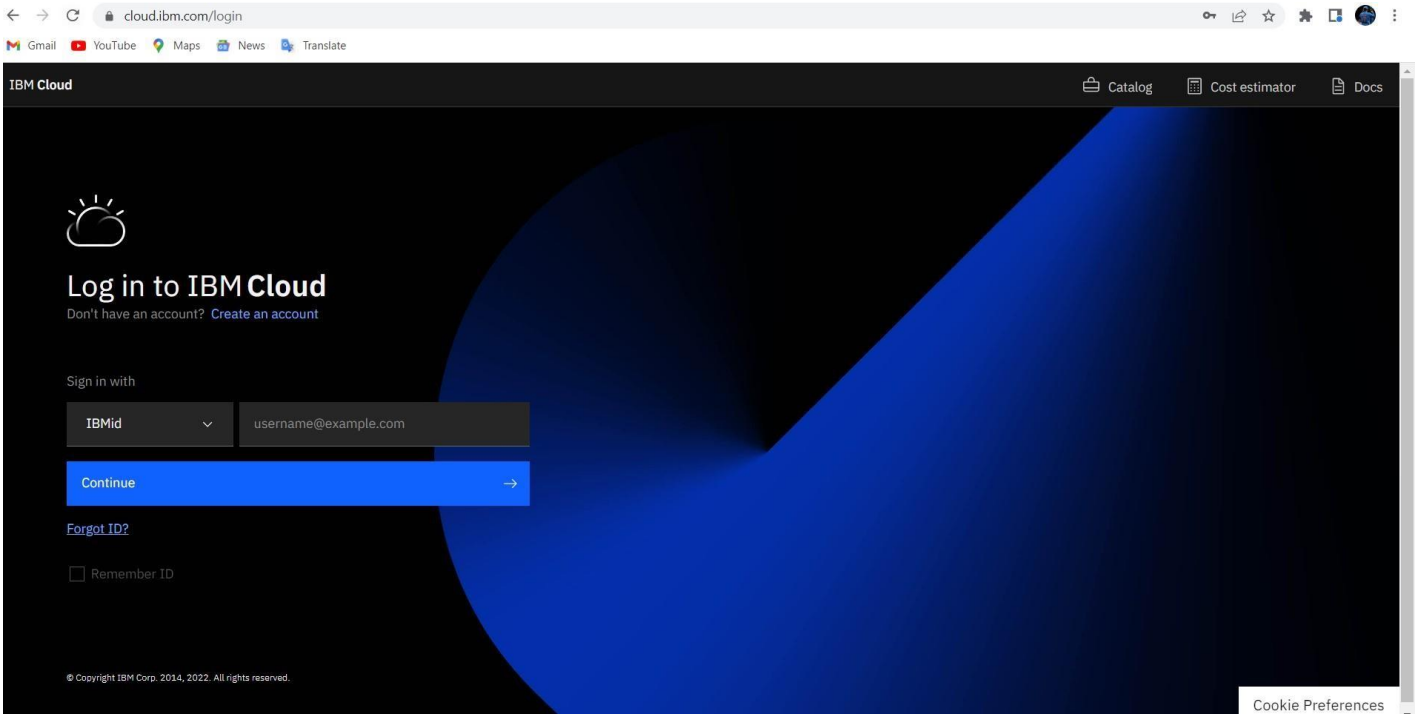
Date	10 November 2022
Team ID	PNT2022TMID12081
Project Name	Gas leakage monitoring and alerting system for industries

AIM:

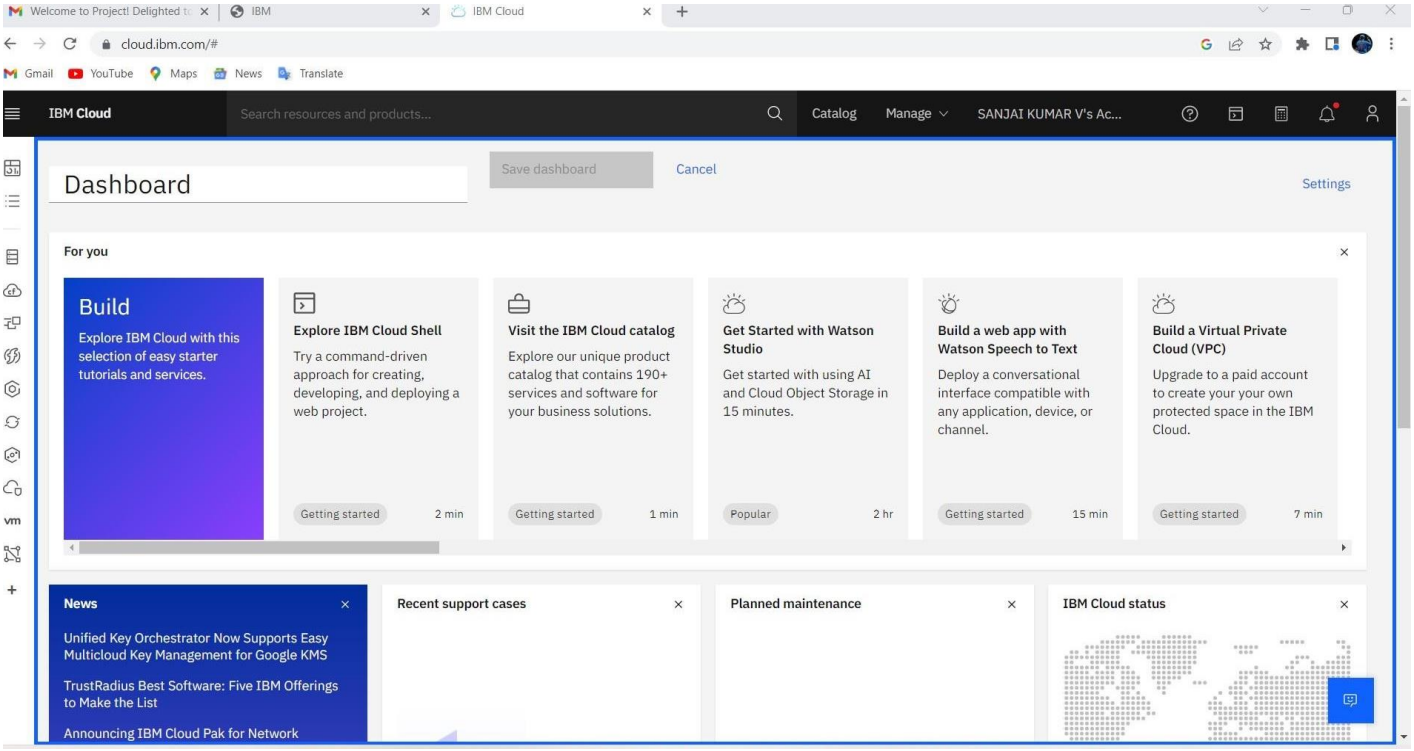
To create the IBM Watson IoT platform and device.

Steps to be followed

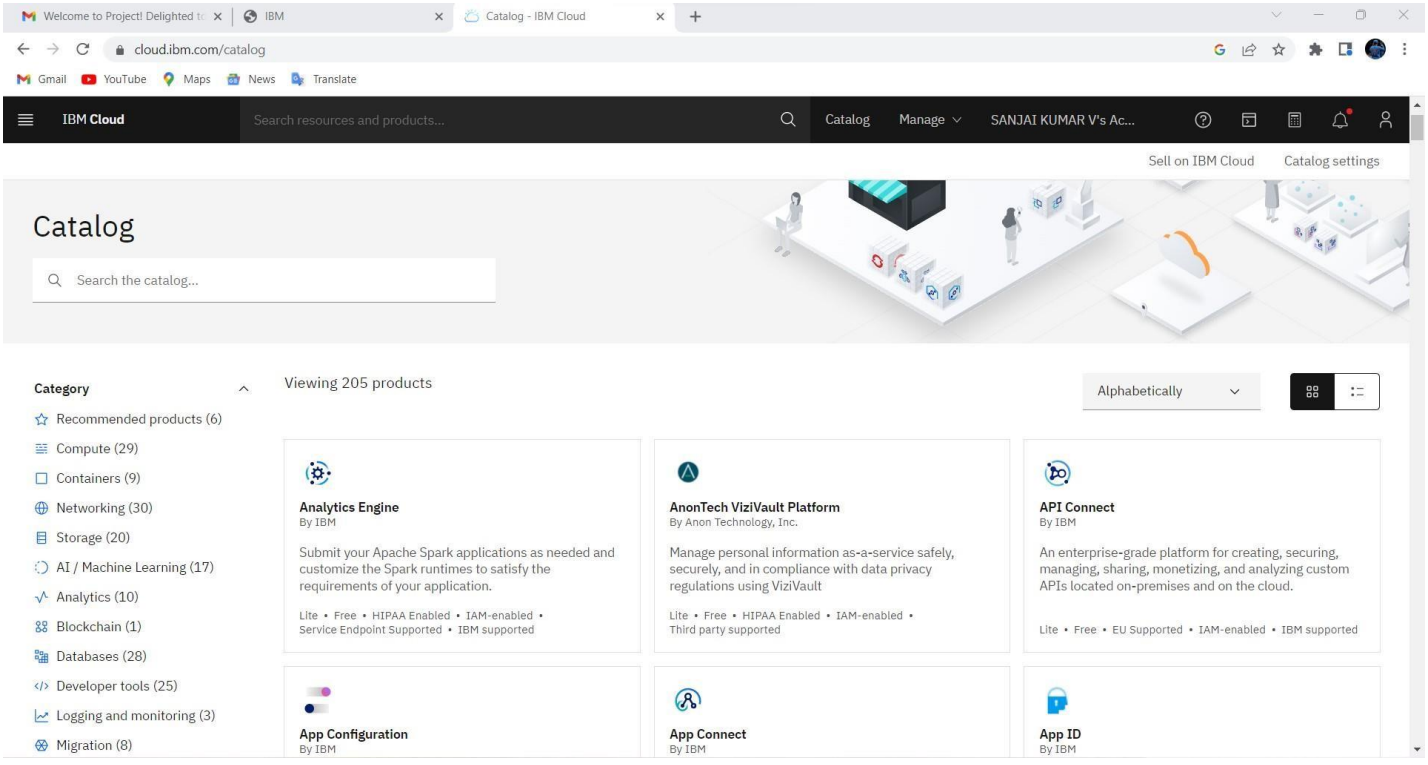
Step 1: Firstly, create an IBM cloud account with IBM id and password.



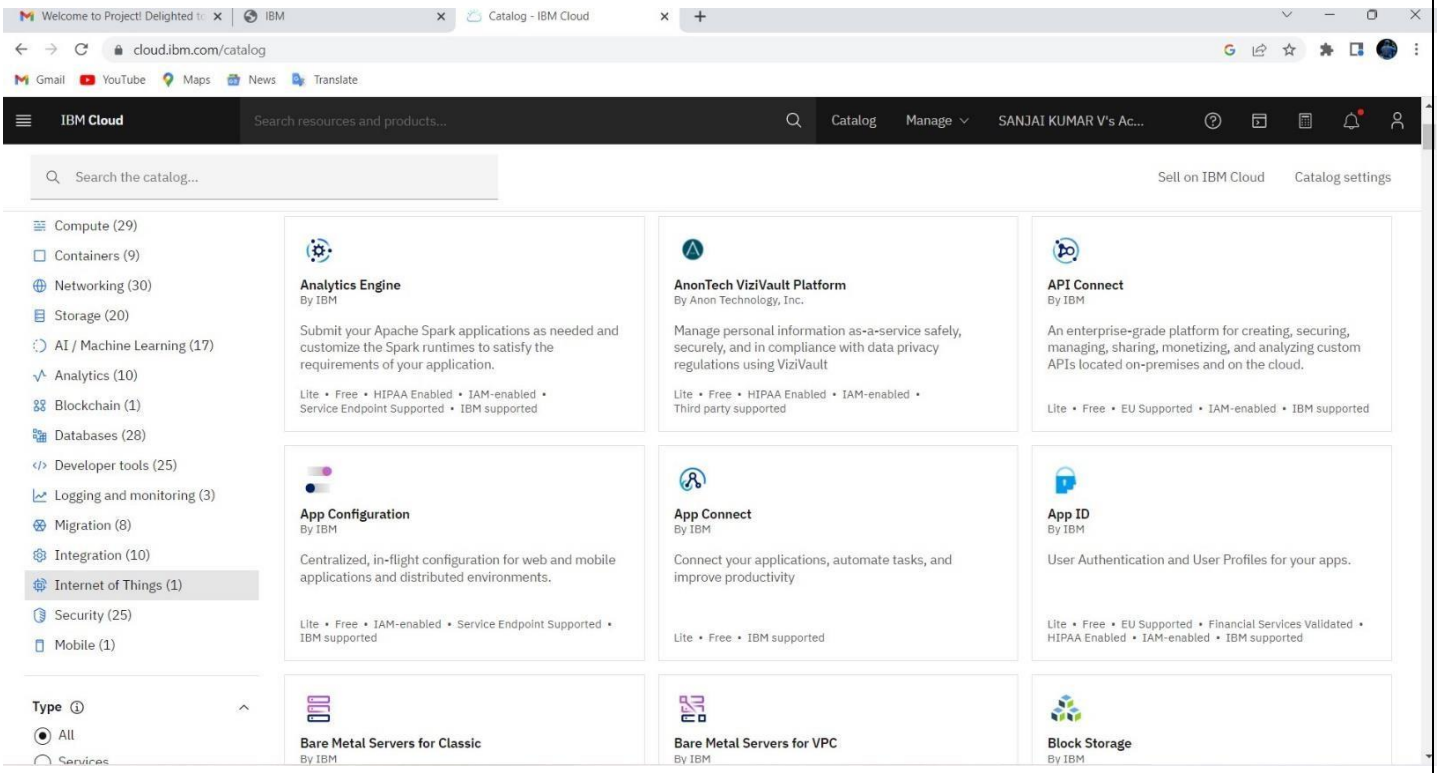
Step 2: Home page of IBM cloud.



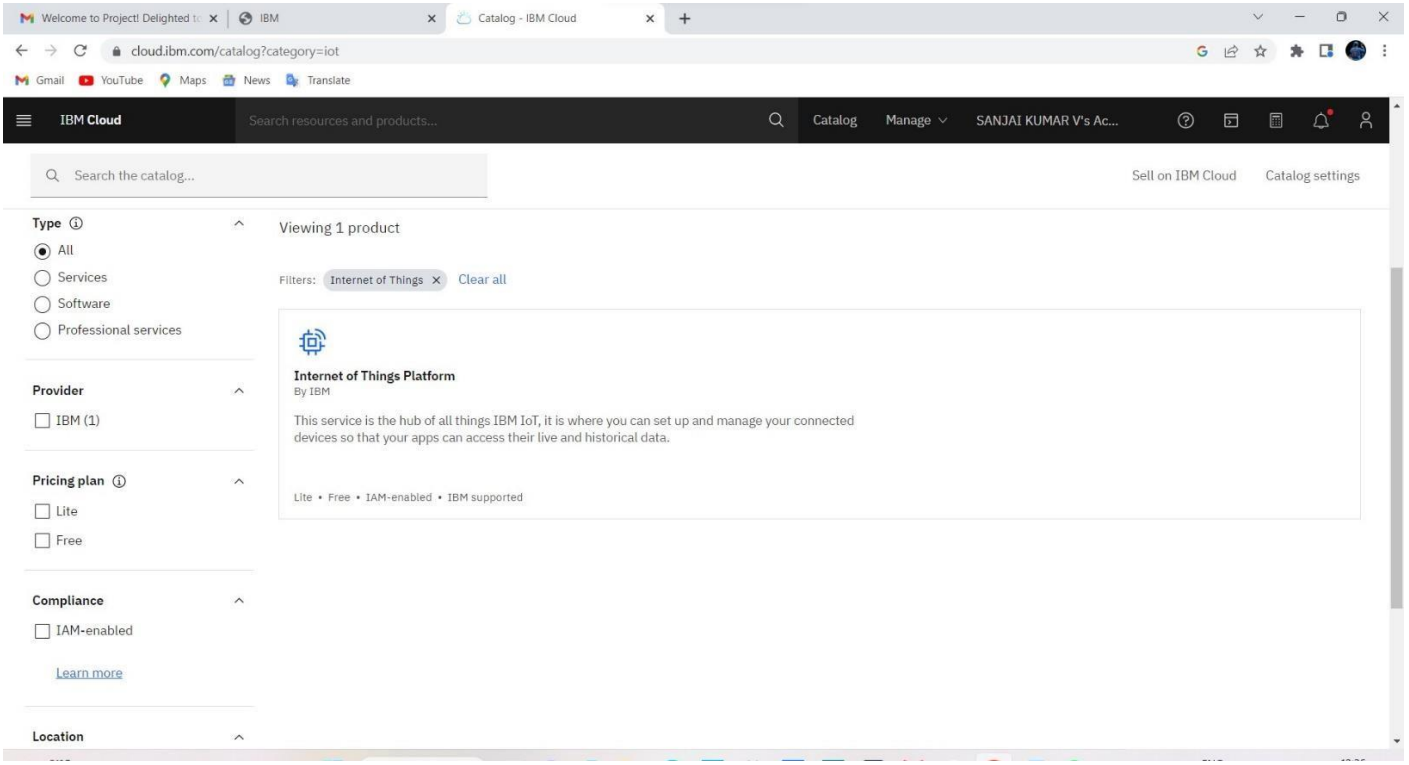
Step 3: Click on the catalog on the top.



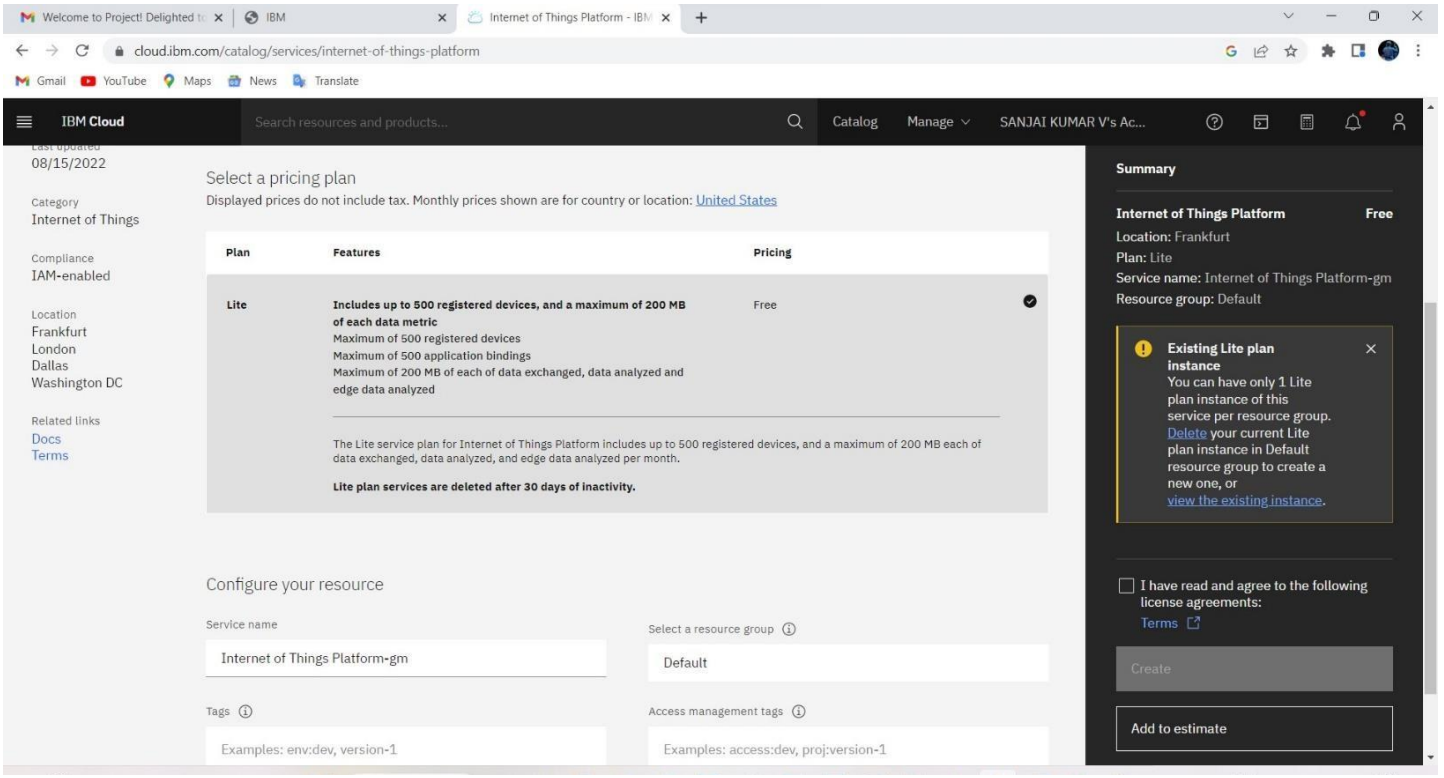
Step 4: Click on IoT in the category mentioned.



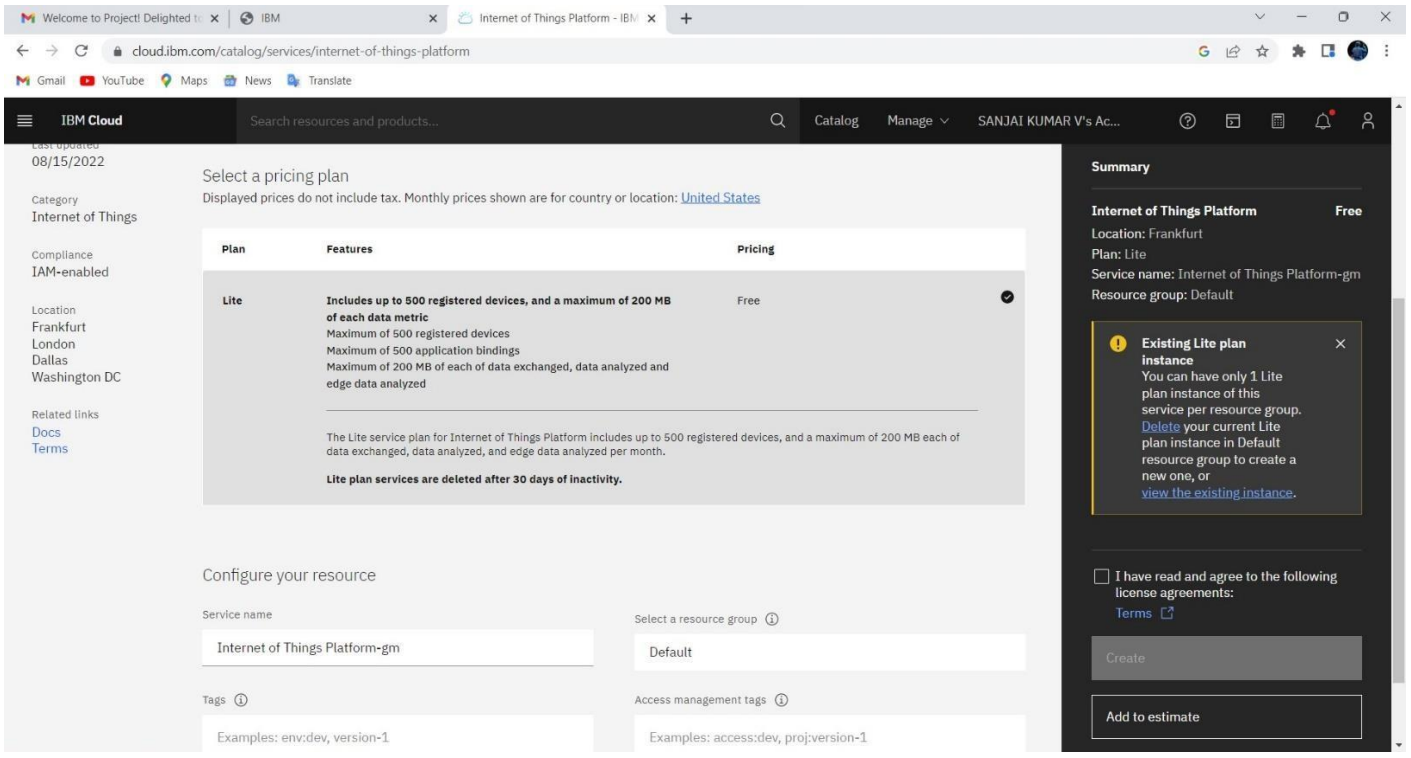
Step 5: Click on Internet of Things Platform.



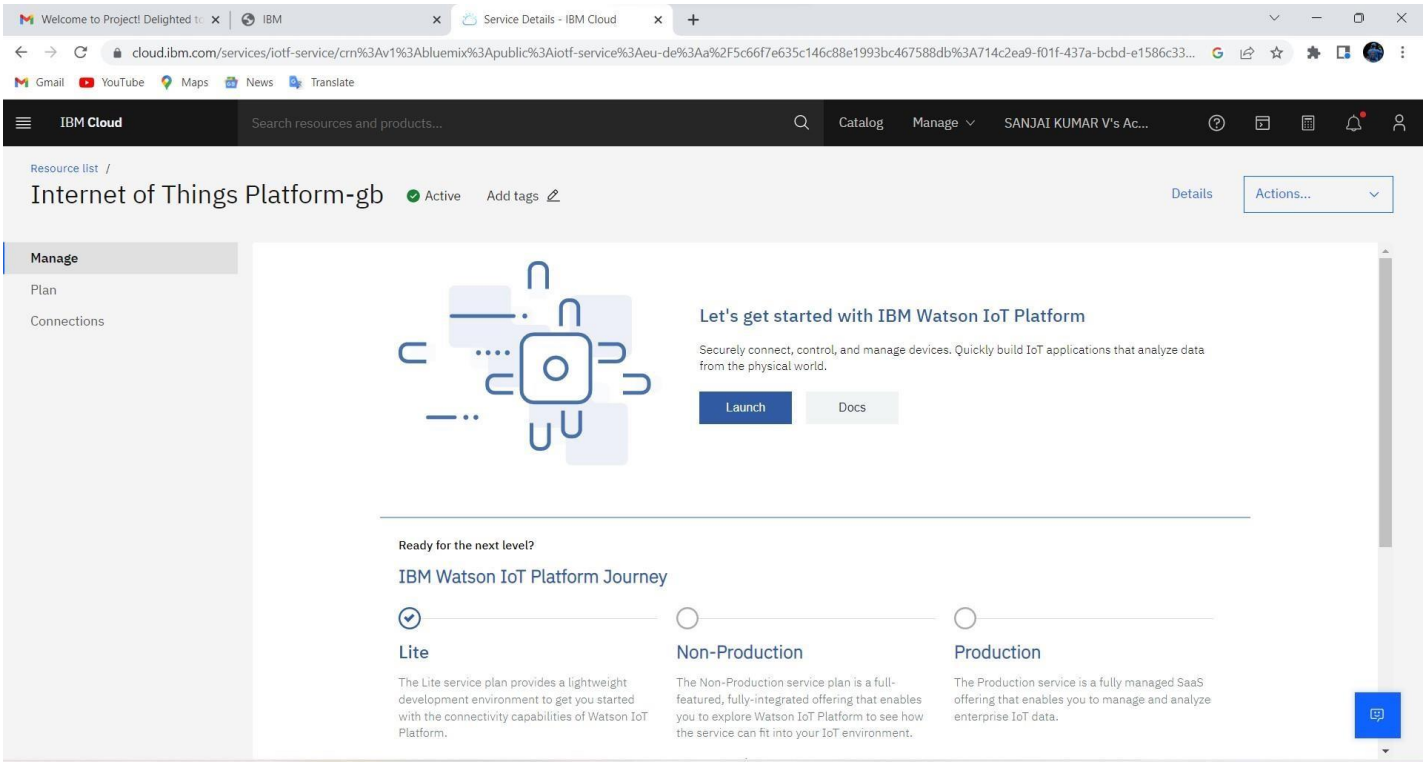
Step 6: If already a lite is present delete it else u can’t create another.



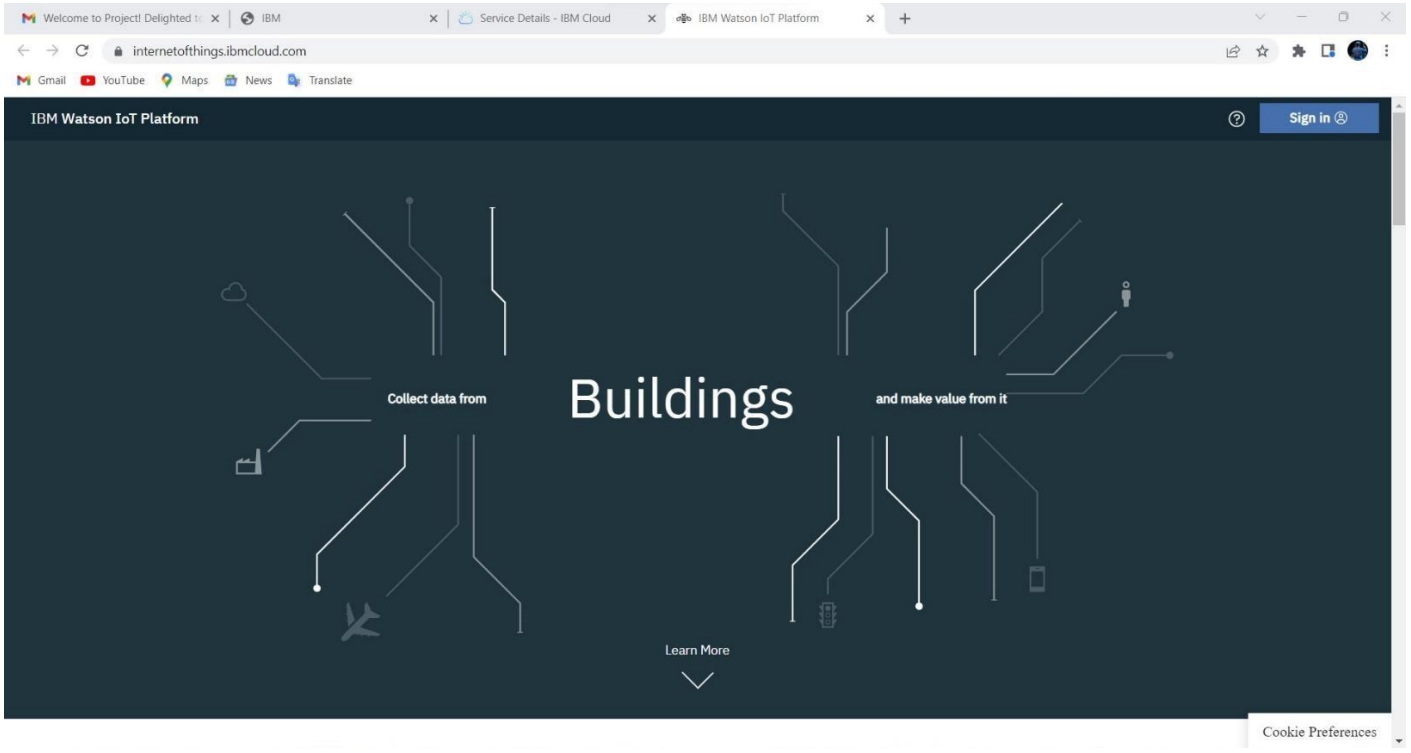
Step 7: Tick agreements and then click on create.



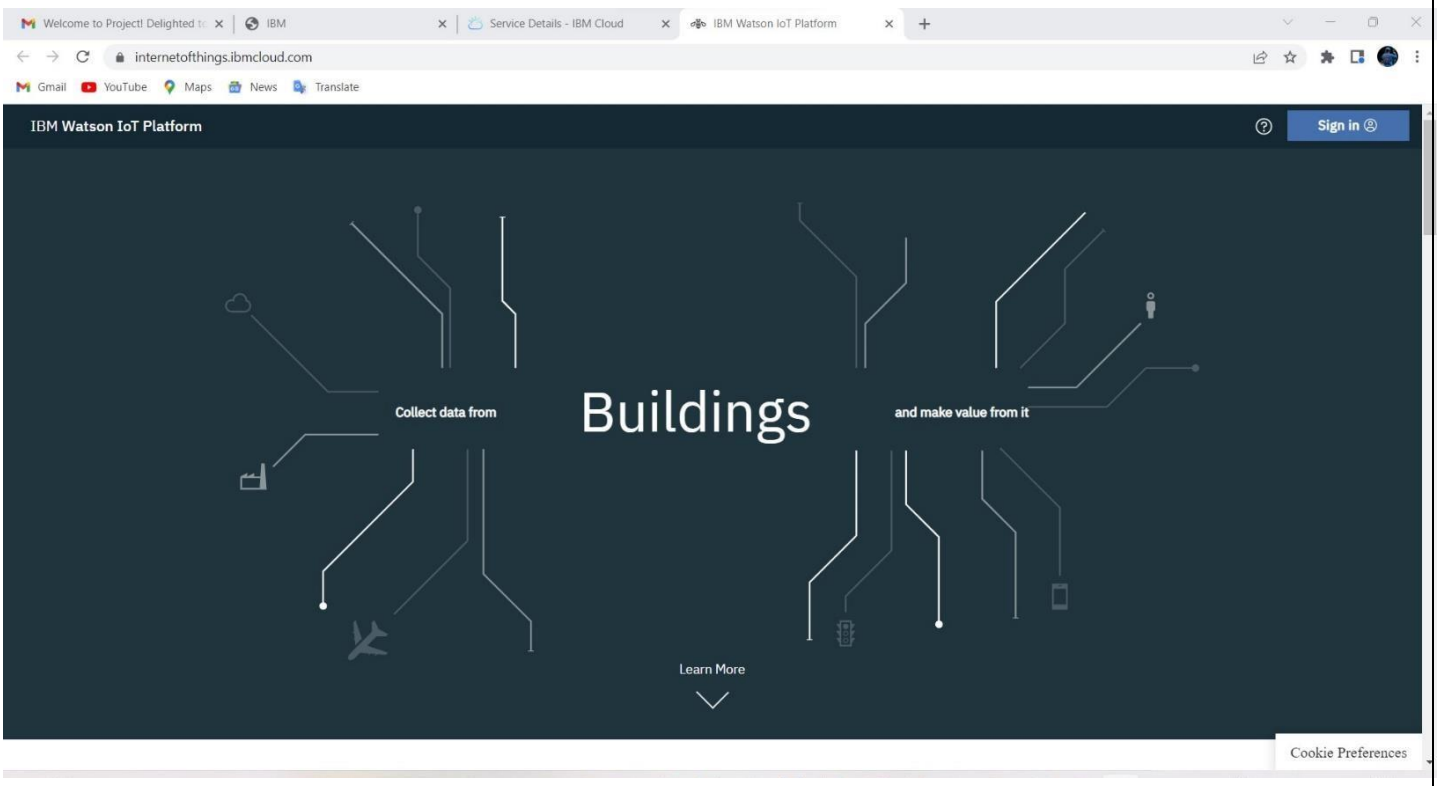
Step 8: Click on the launch button.



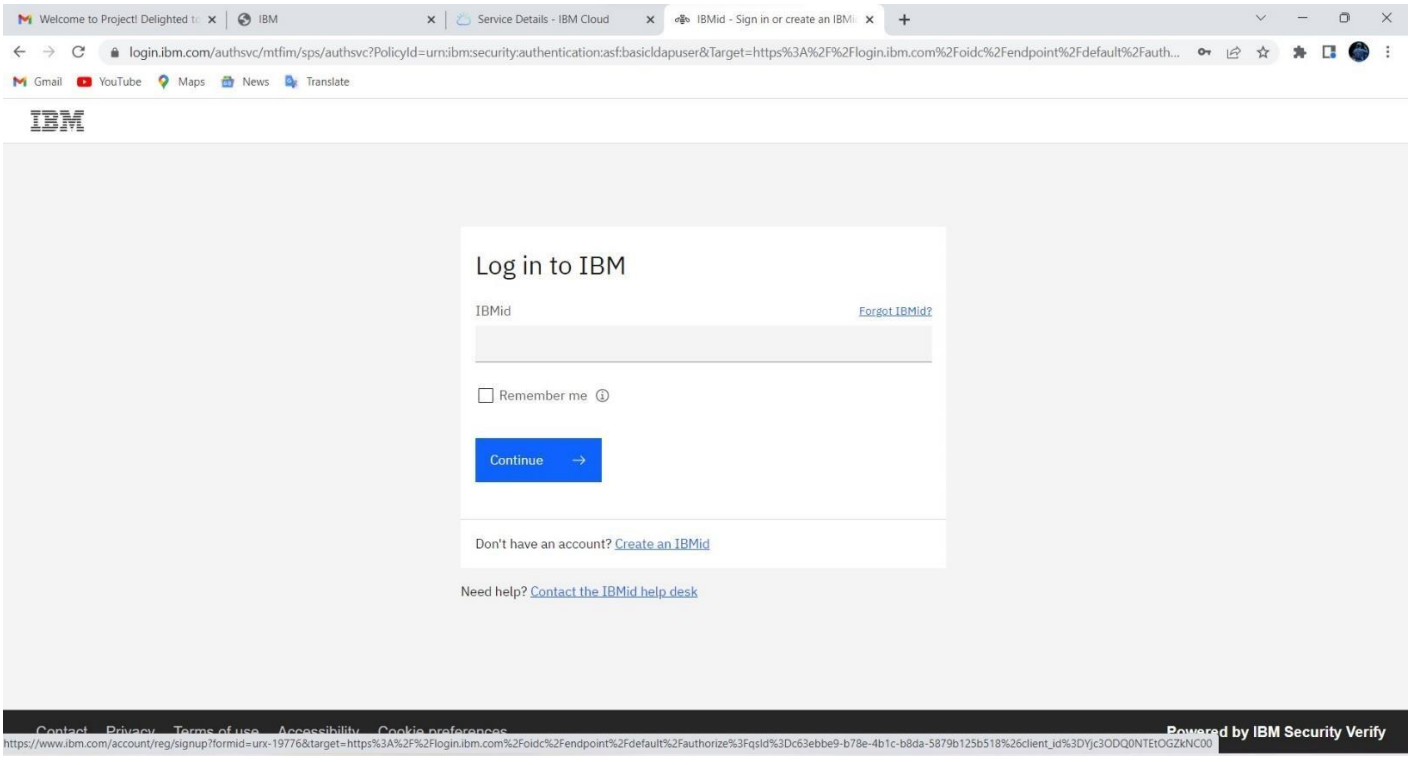
Step 9: After clicking on the launch button this tab will open.



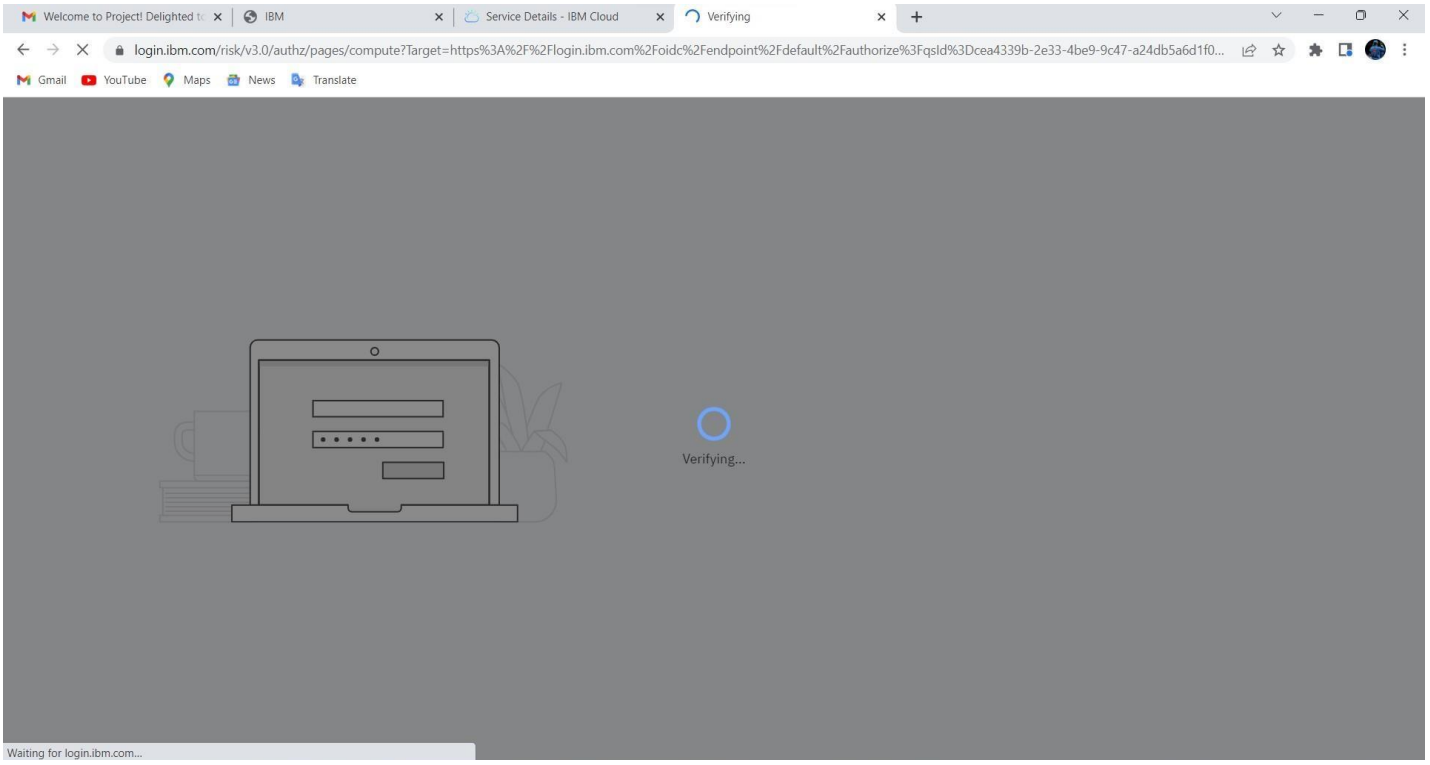
Step 10: Click on Sign in.



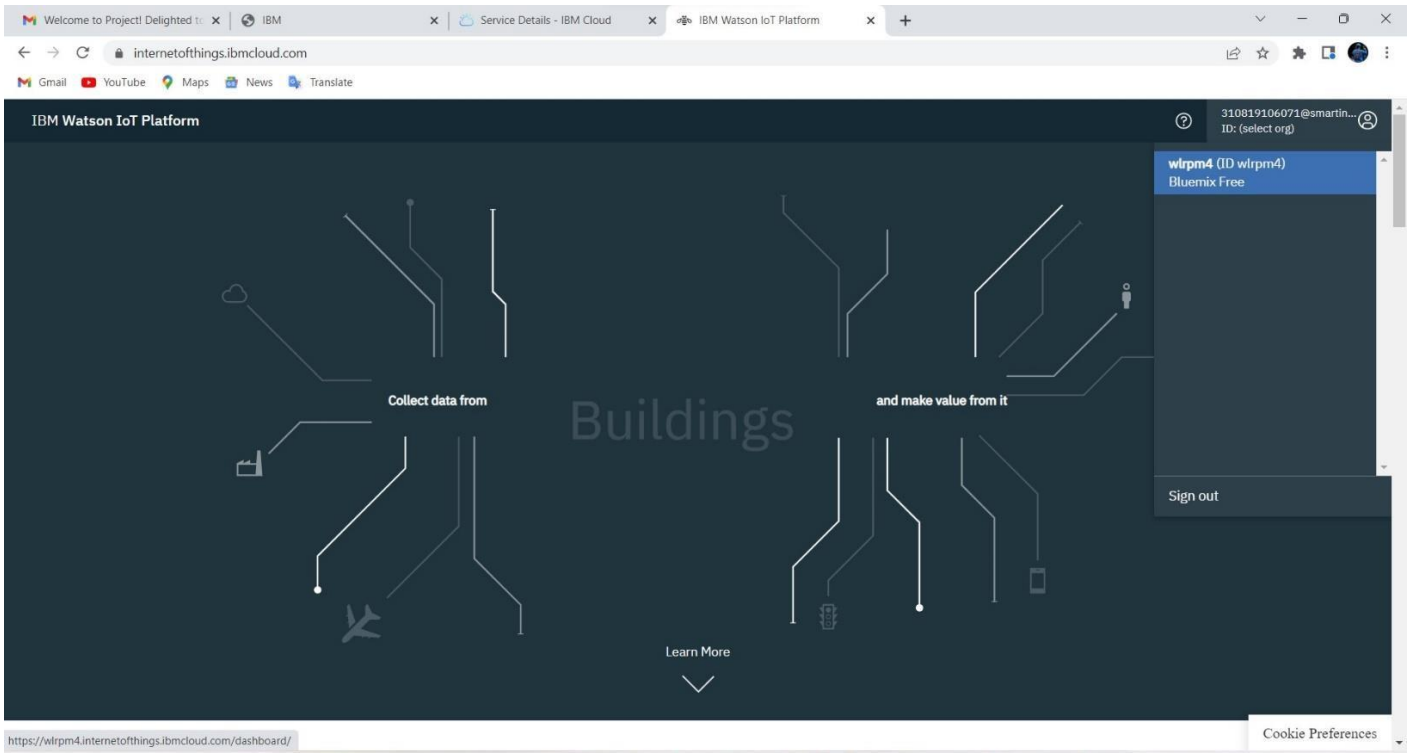
Step 11: Fill the login details.



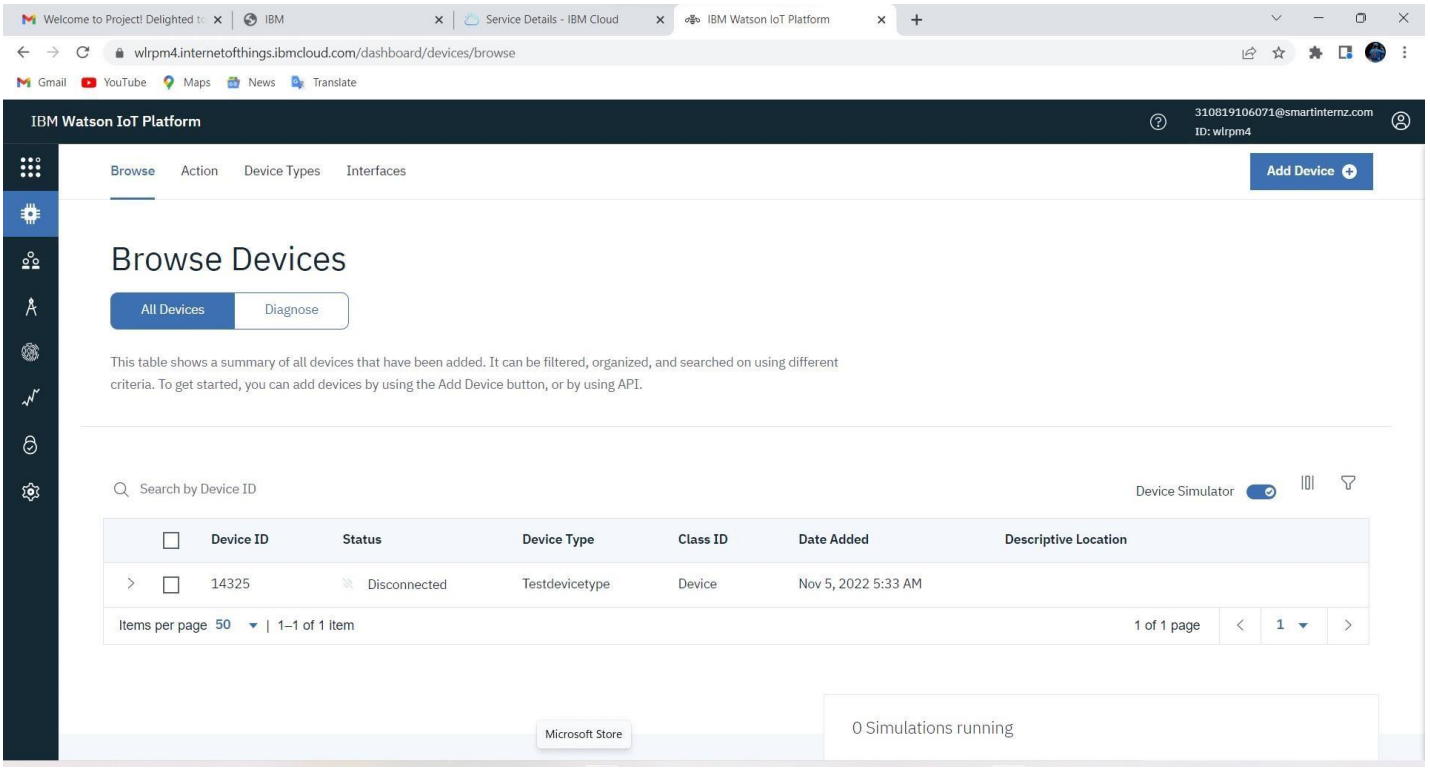
Step 12: Sign in on progress.



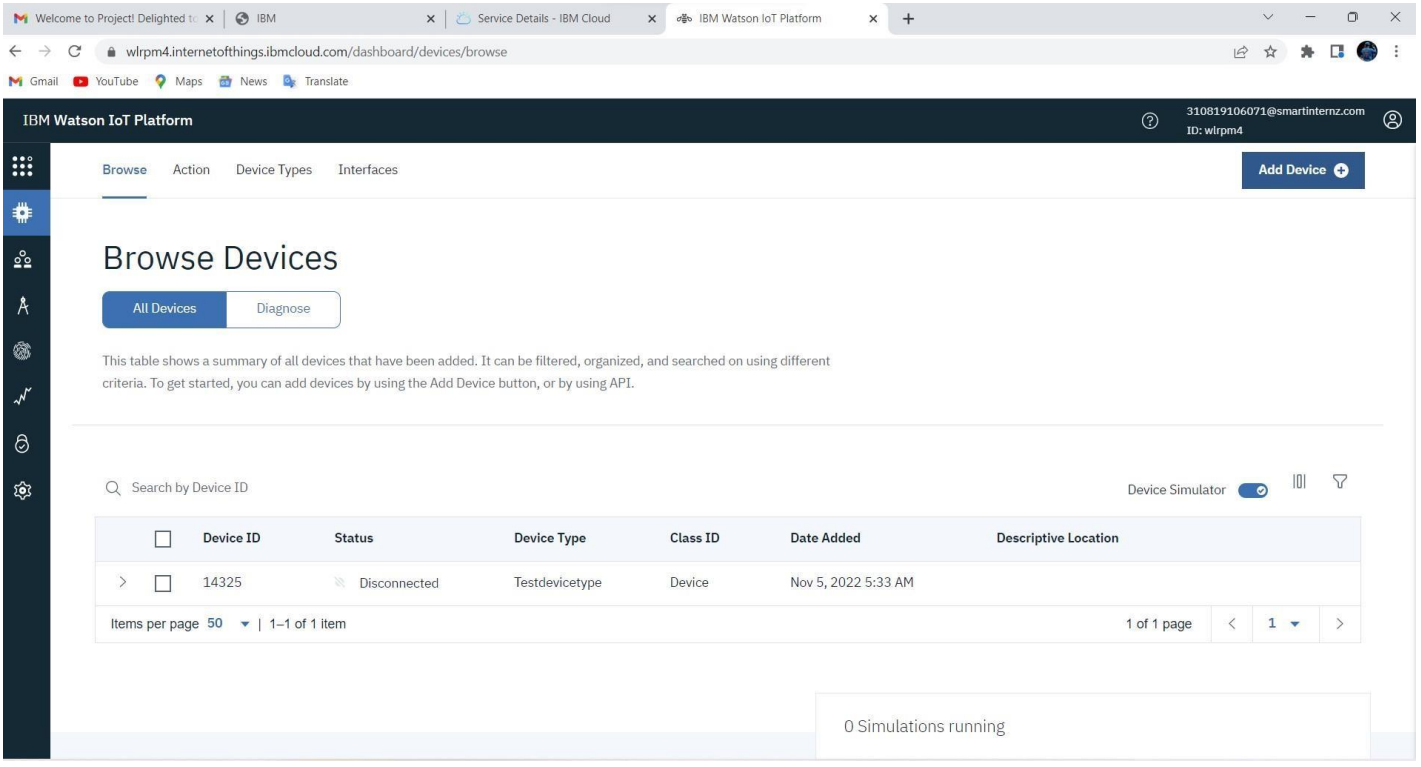
Step 13: Once it id logged in, the name will be displayed click on it and then click on Bluemix Free.



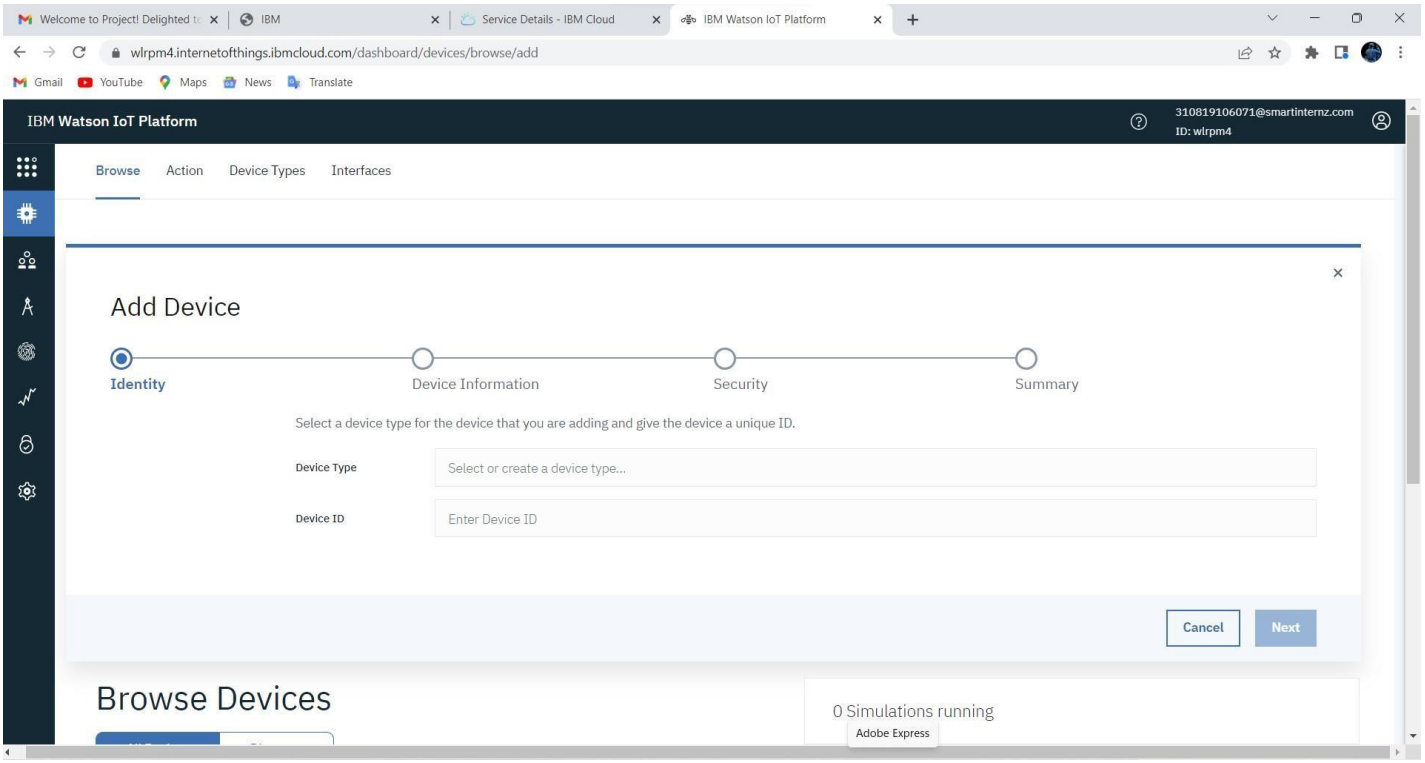
Step 14: This is the IBM Watson platform.



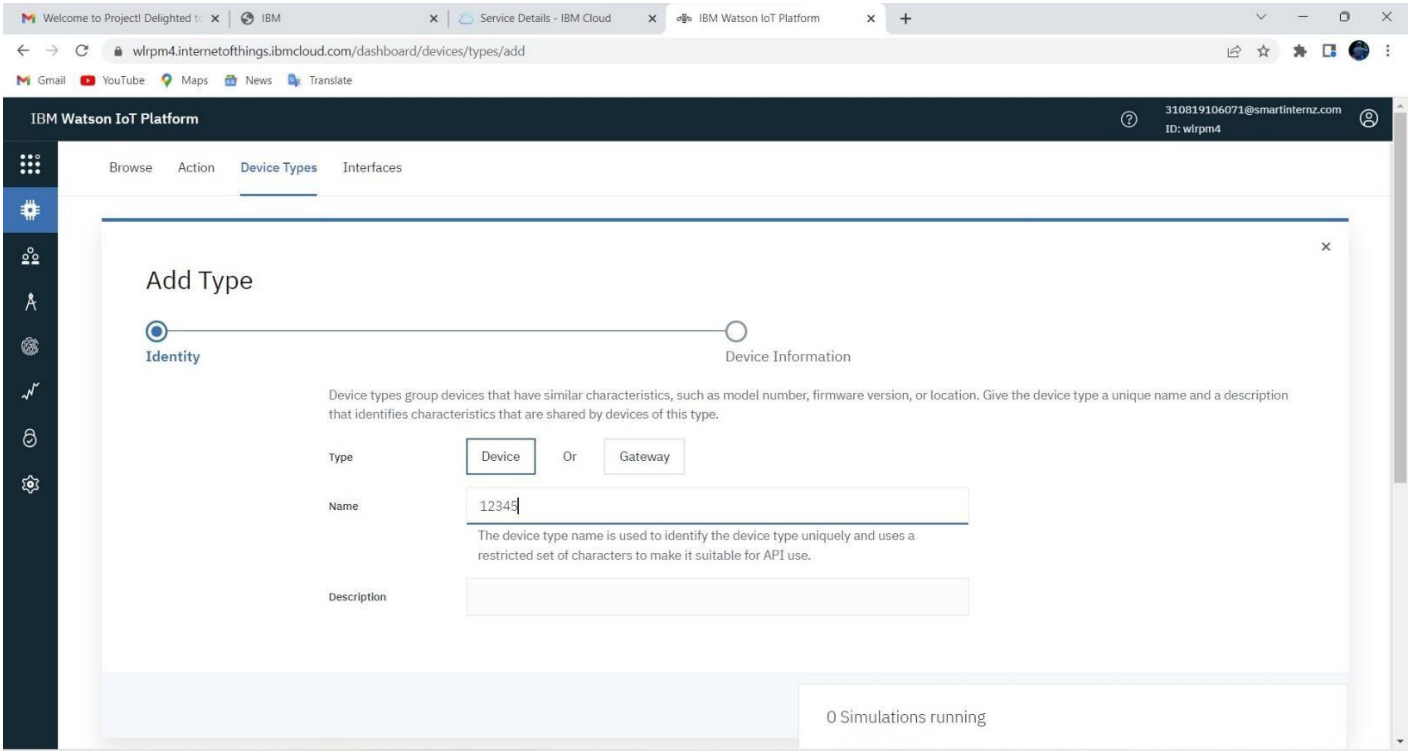
Step 15: Click on Add Device.



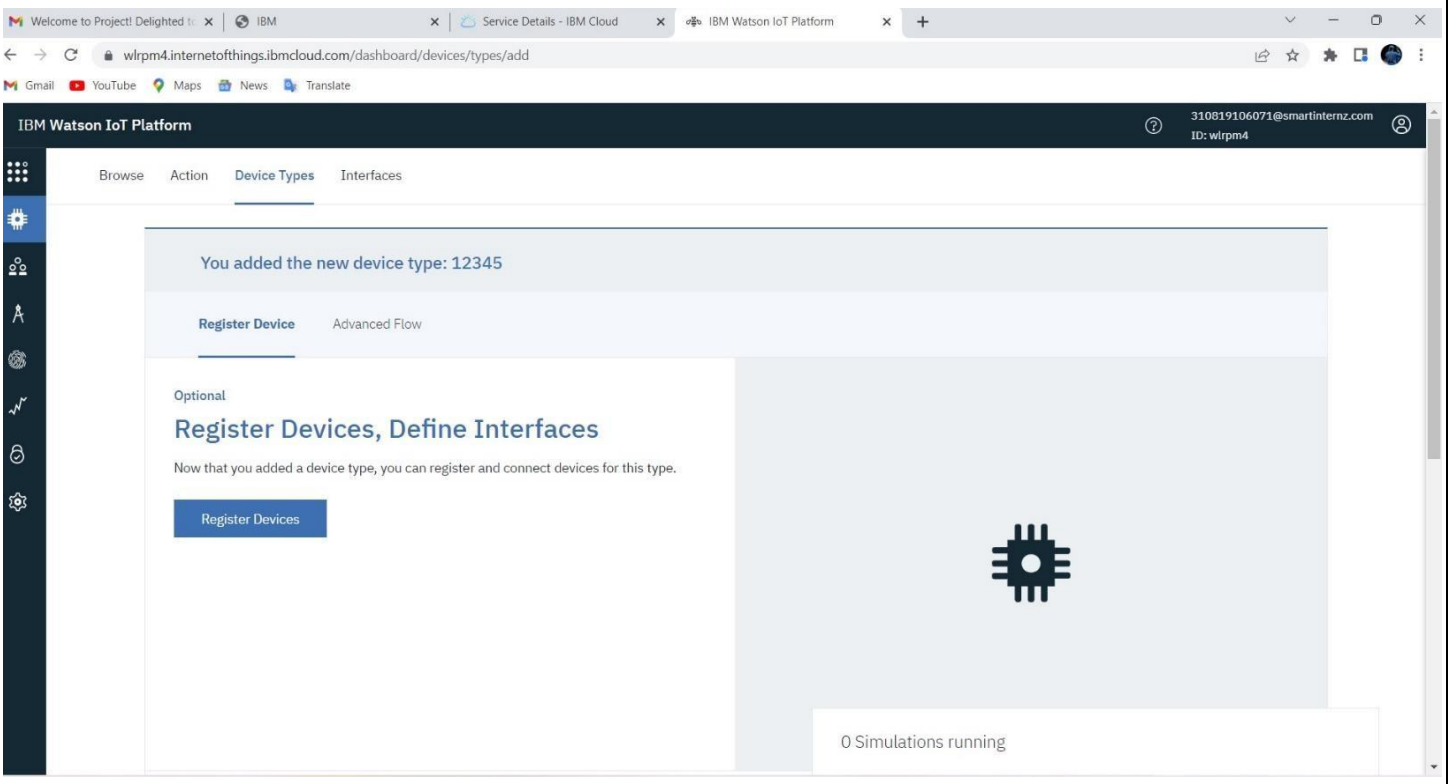
Step 16: Click on Device Type.



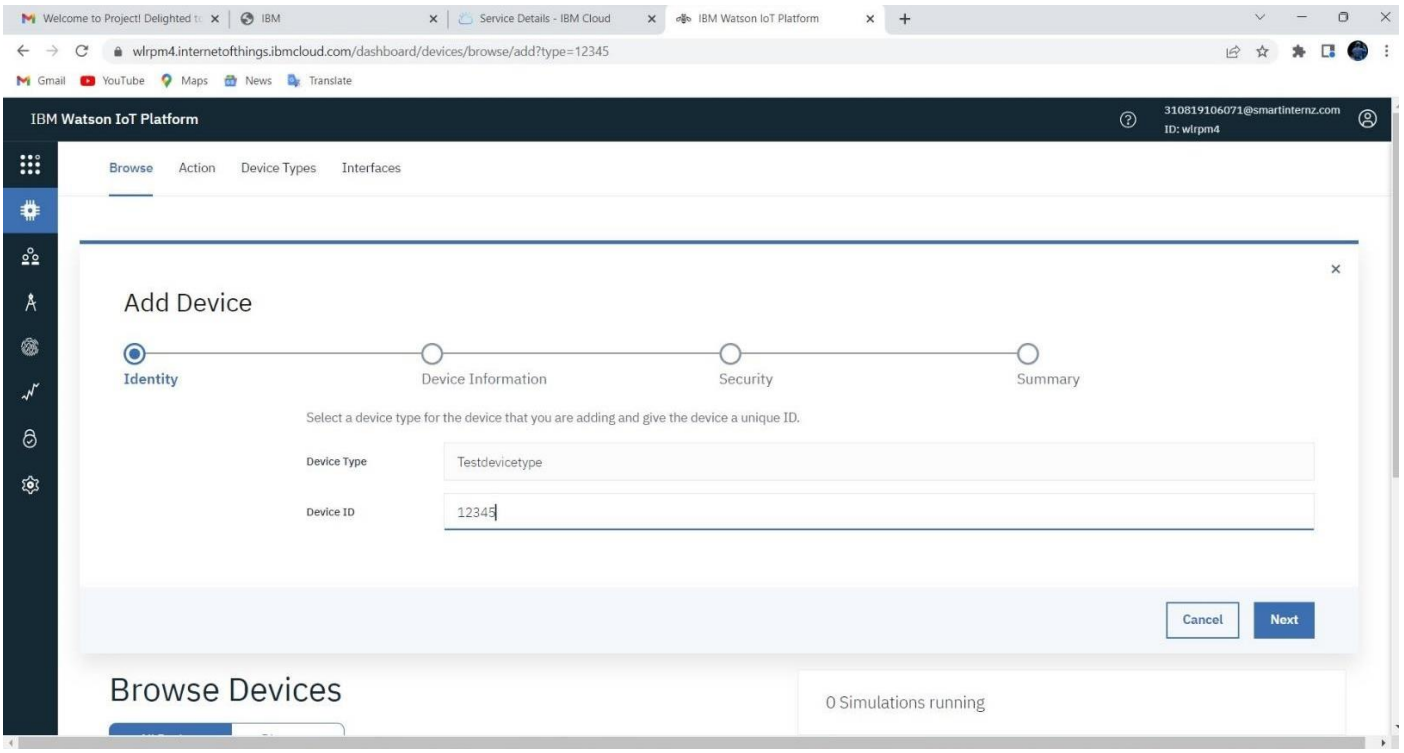
Step 17: Fill the details.



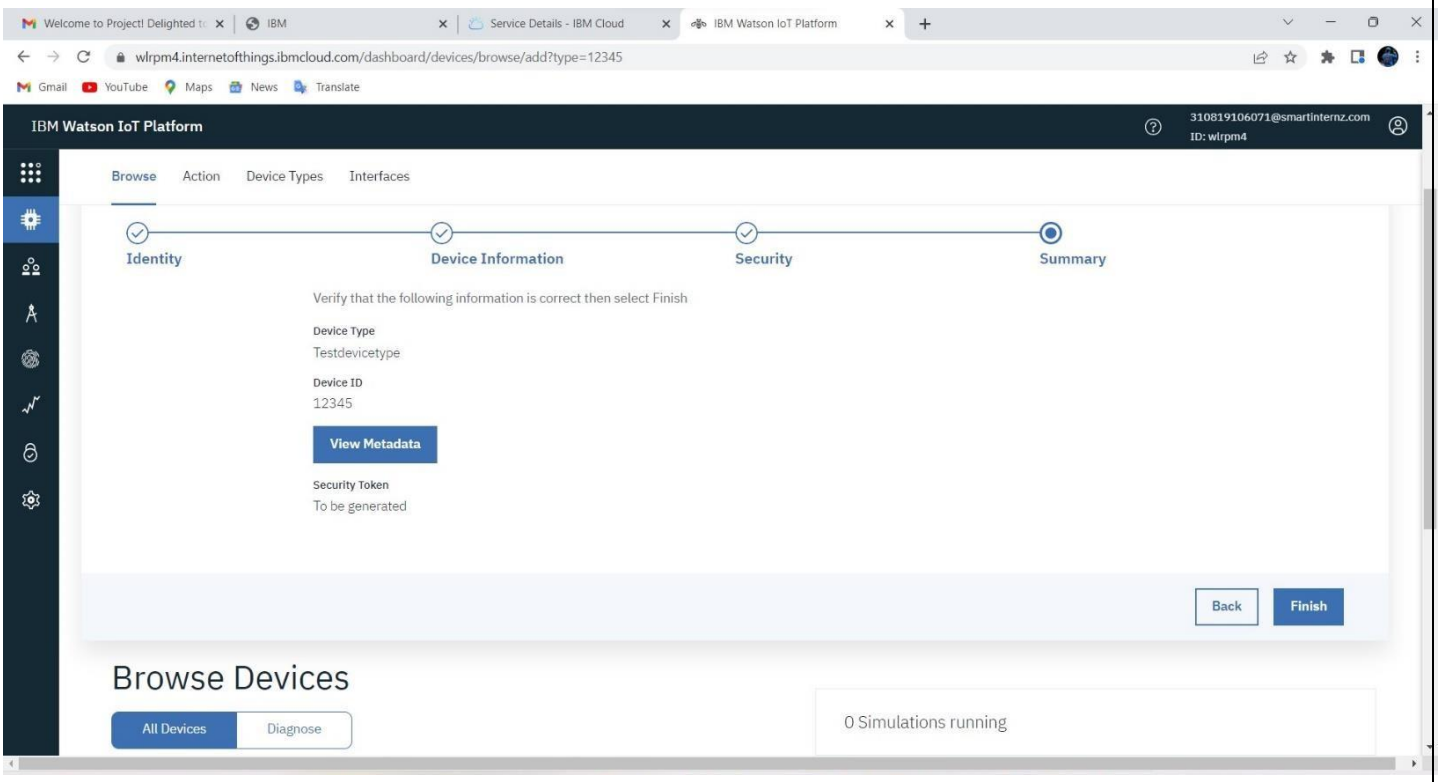
Step 18: Click on Register Devices.



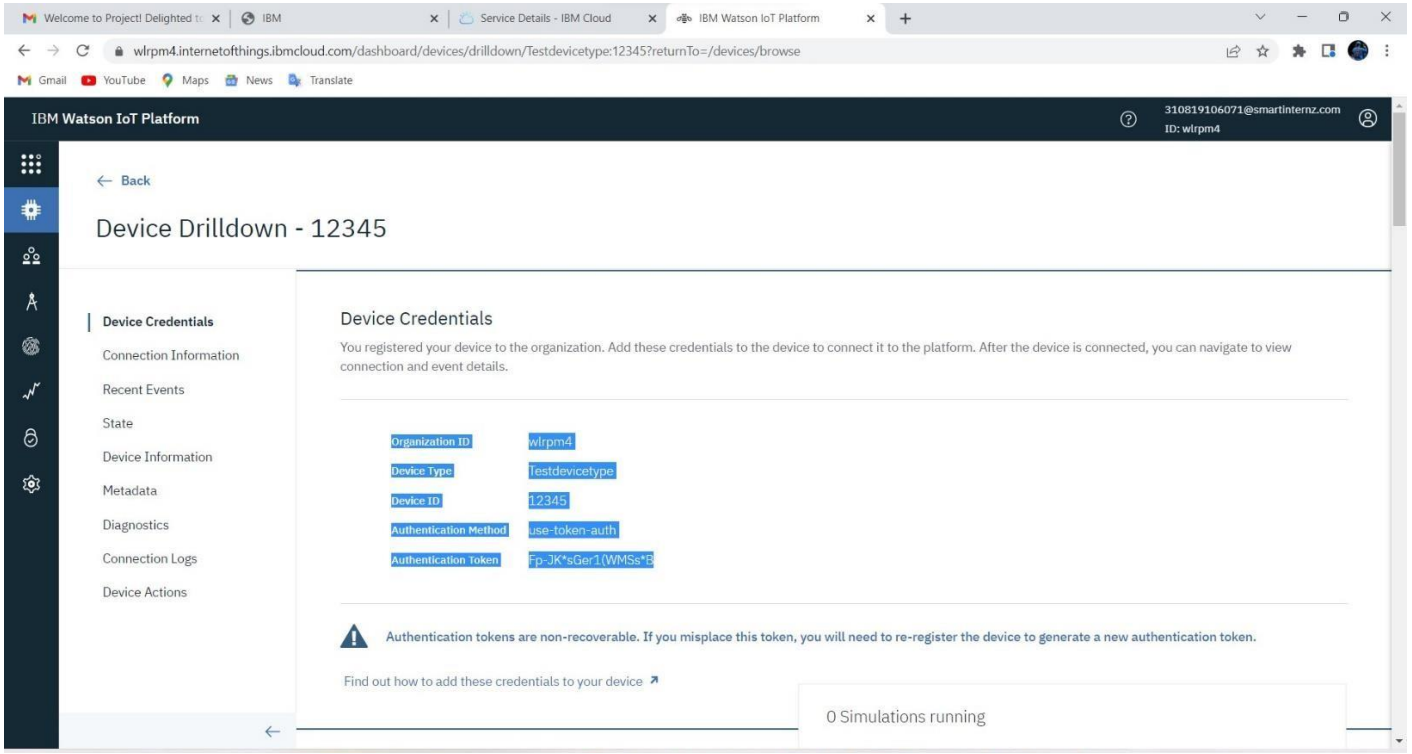
Step 19: Give the device name which you have created and give Device ID.



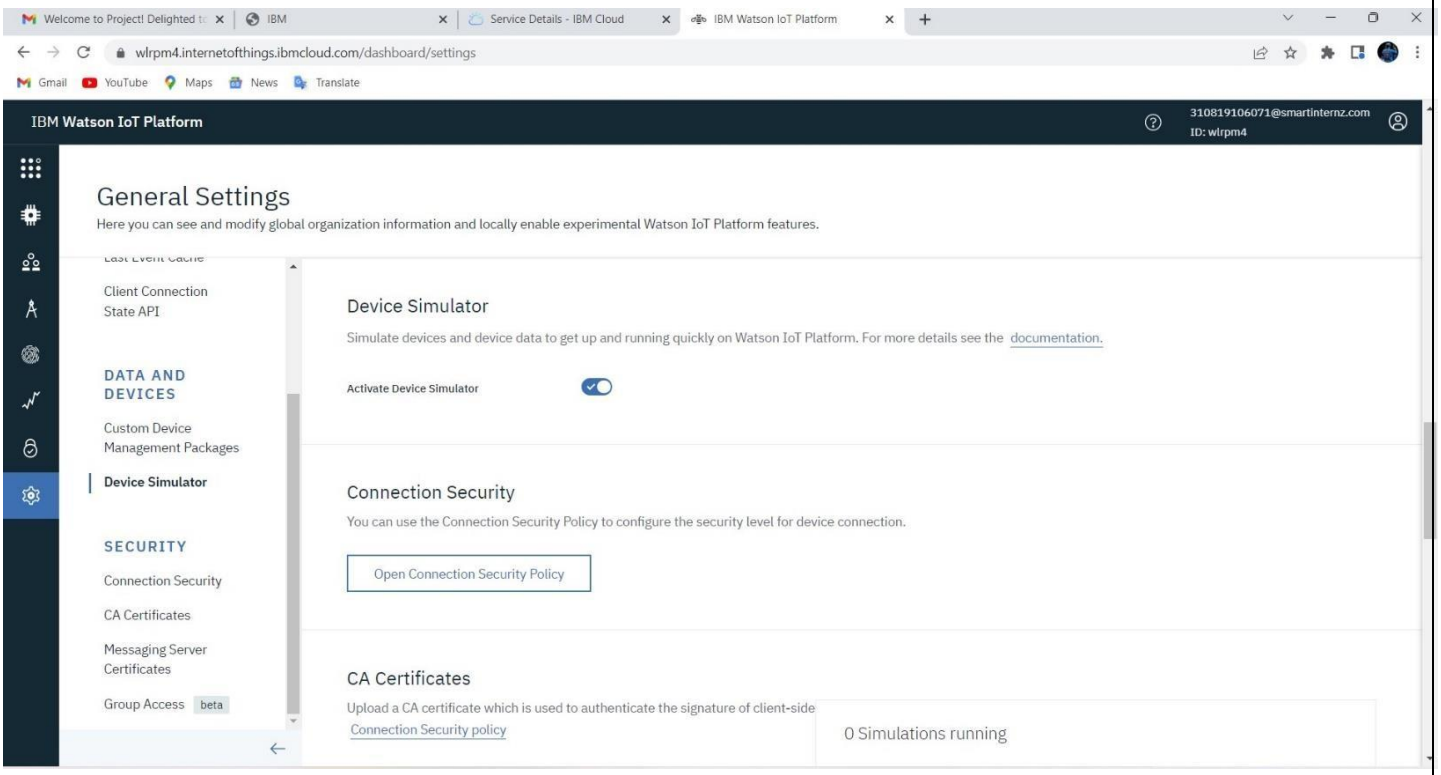
Step 20: After giving all the data, Click on Finish.



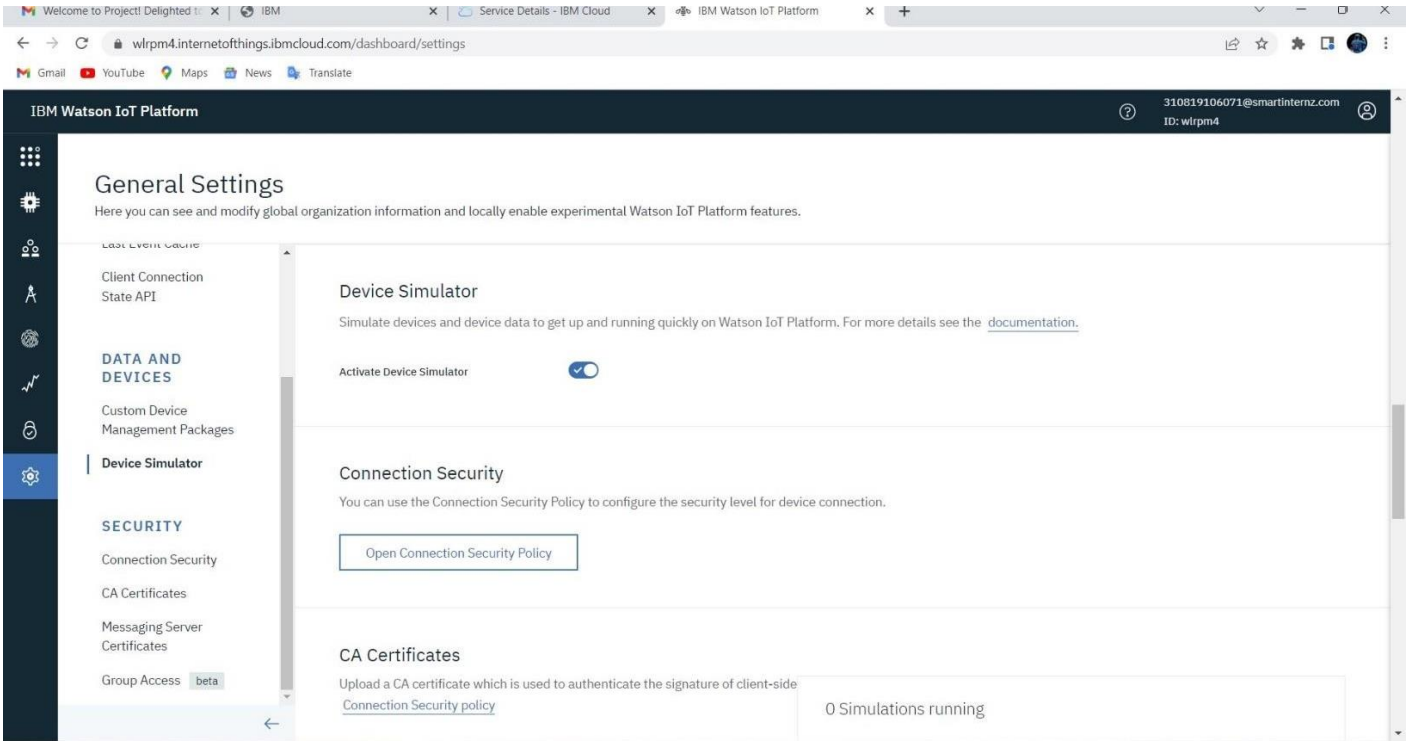
Step 21: After creating the device, Copy the Device Credentials.



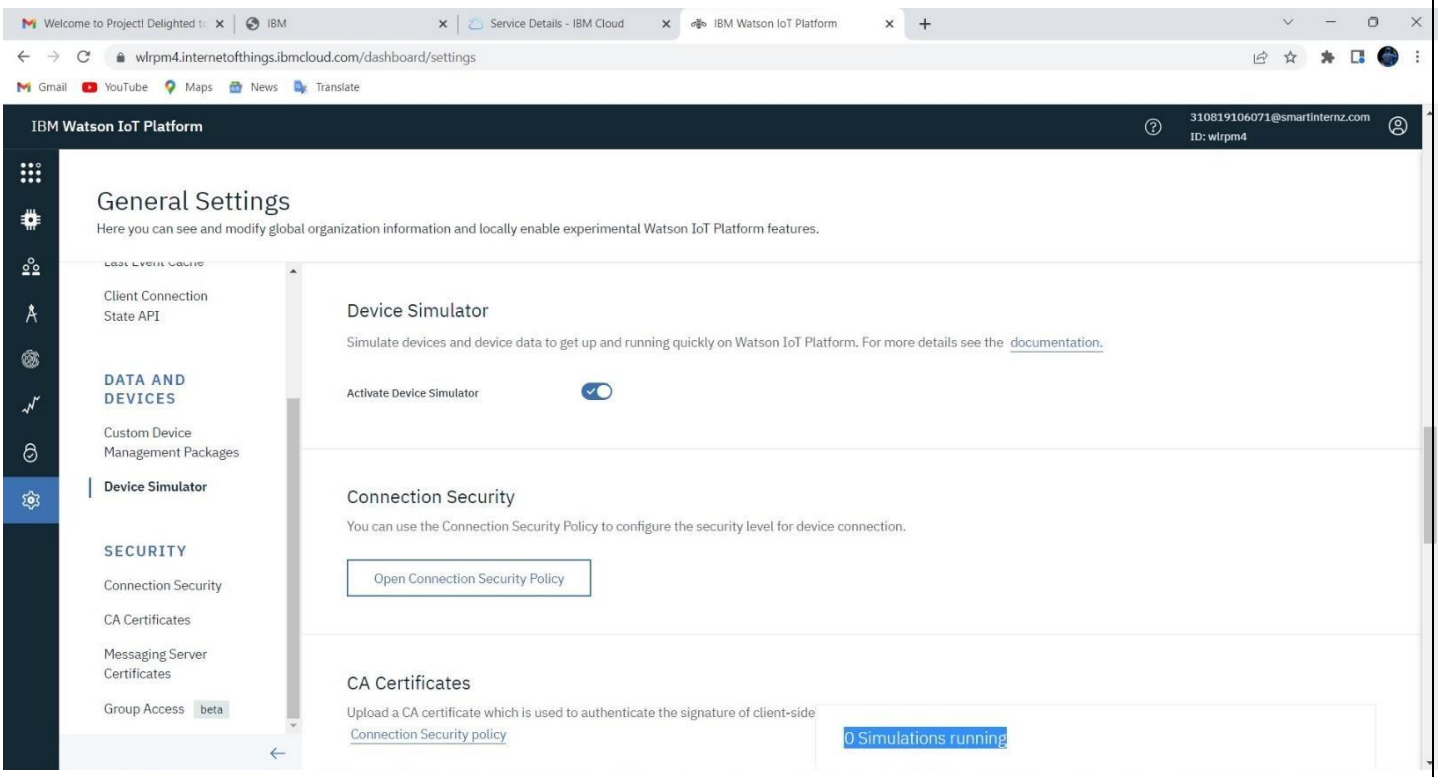
Step 22: Go to Setting, click on Data and Devices.



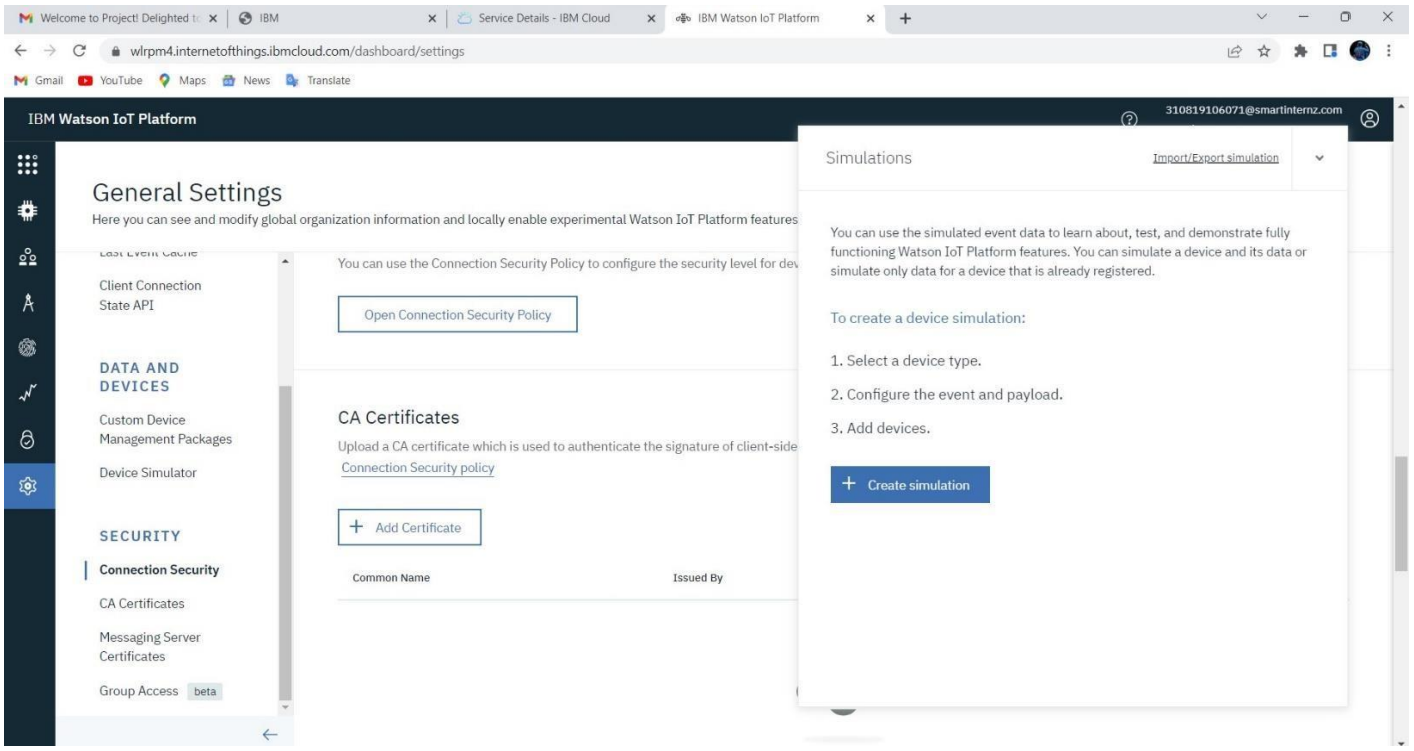
Step 23: Then click on Device Simulator and Activate Device Simulator.



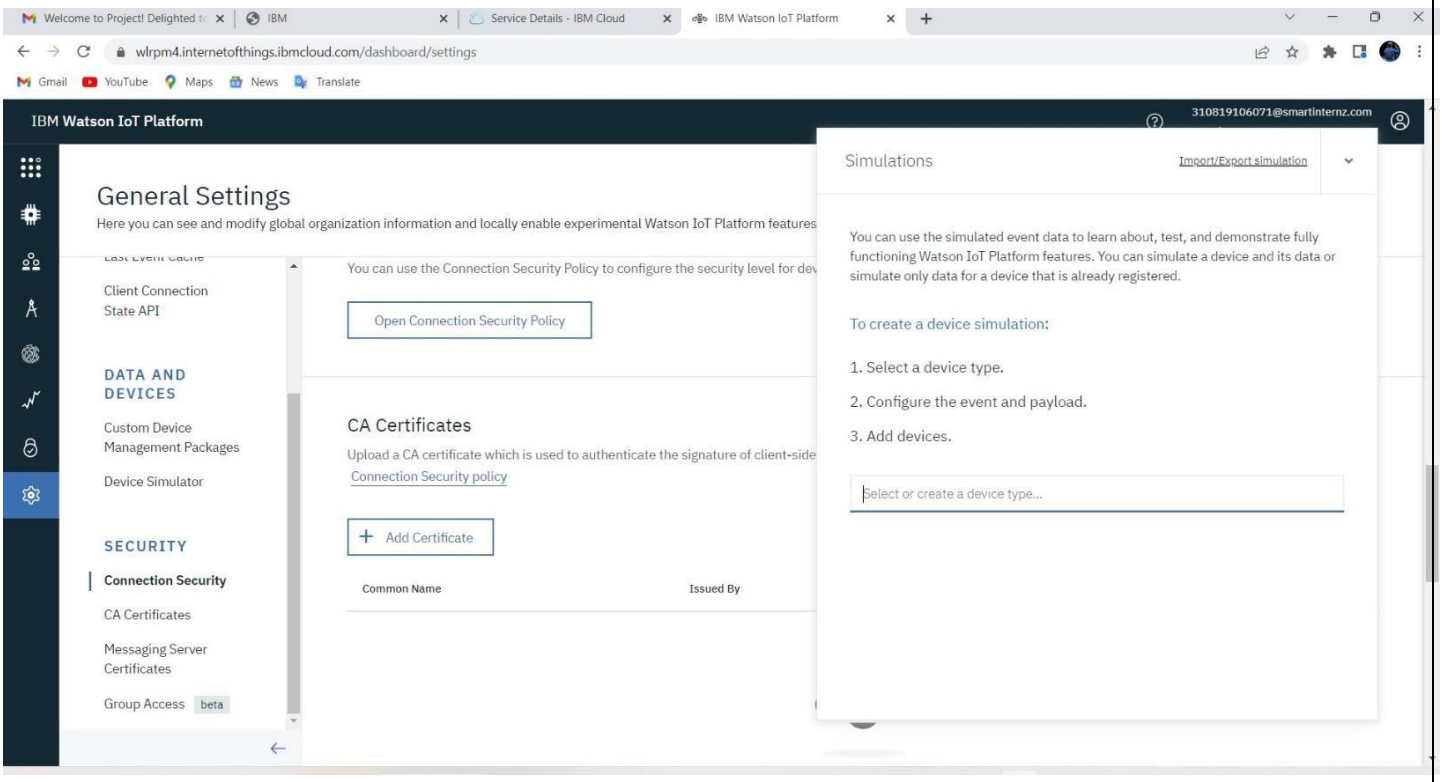
Step 24: Click on the pop-up screen on the right side.



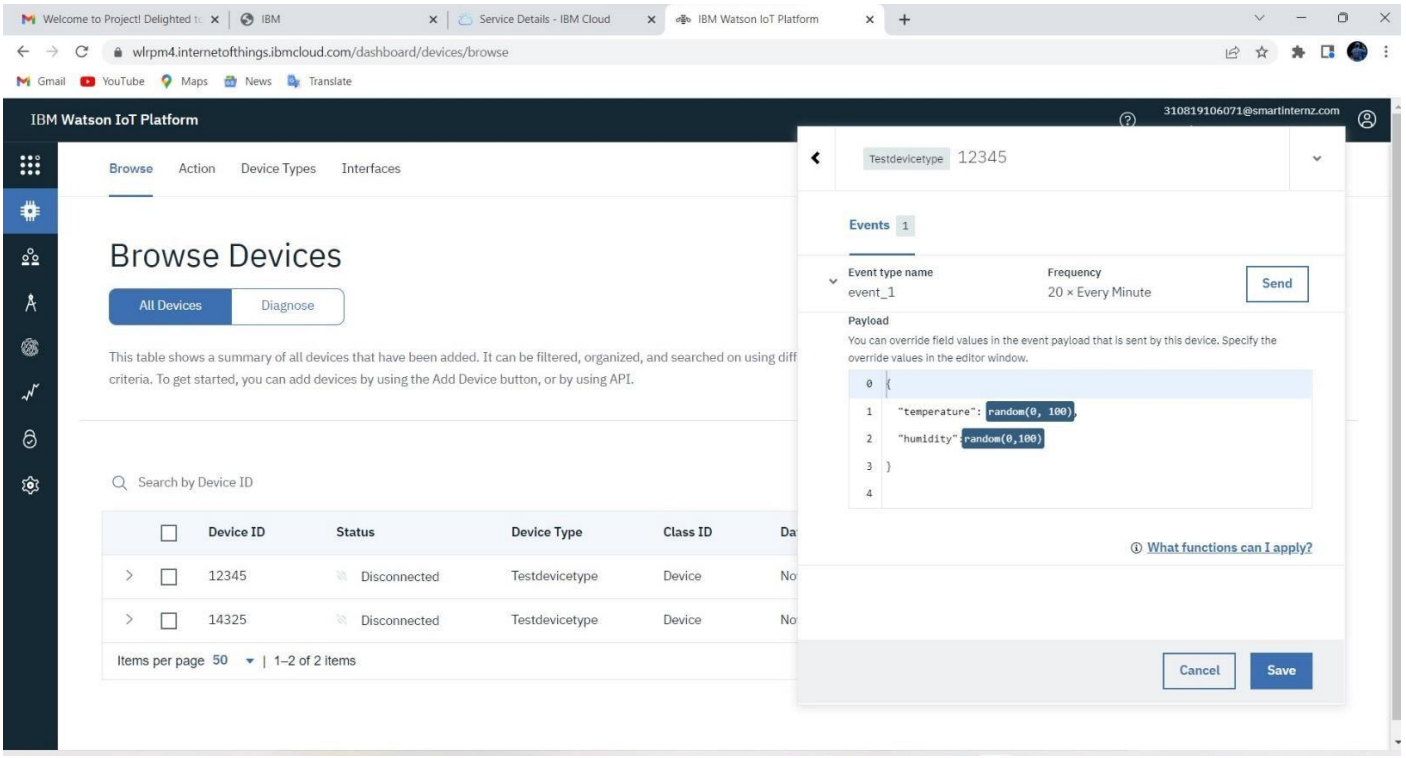
Step 25: Click on Create Simulation.



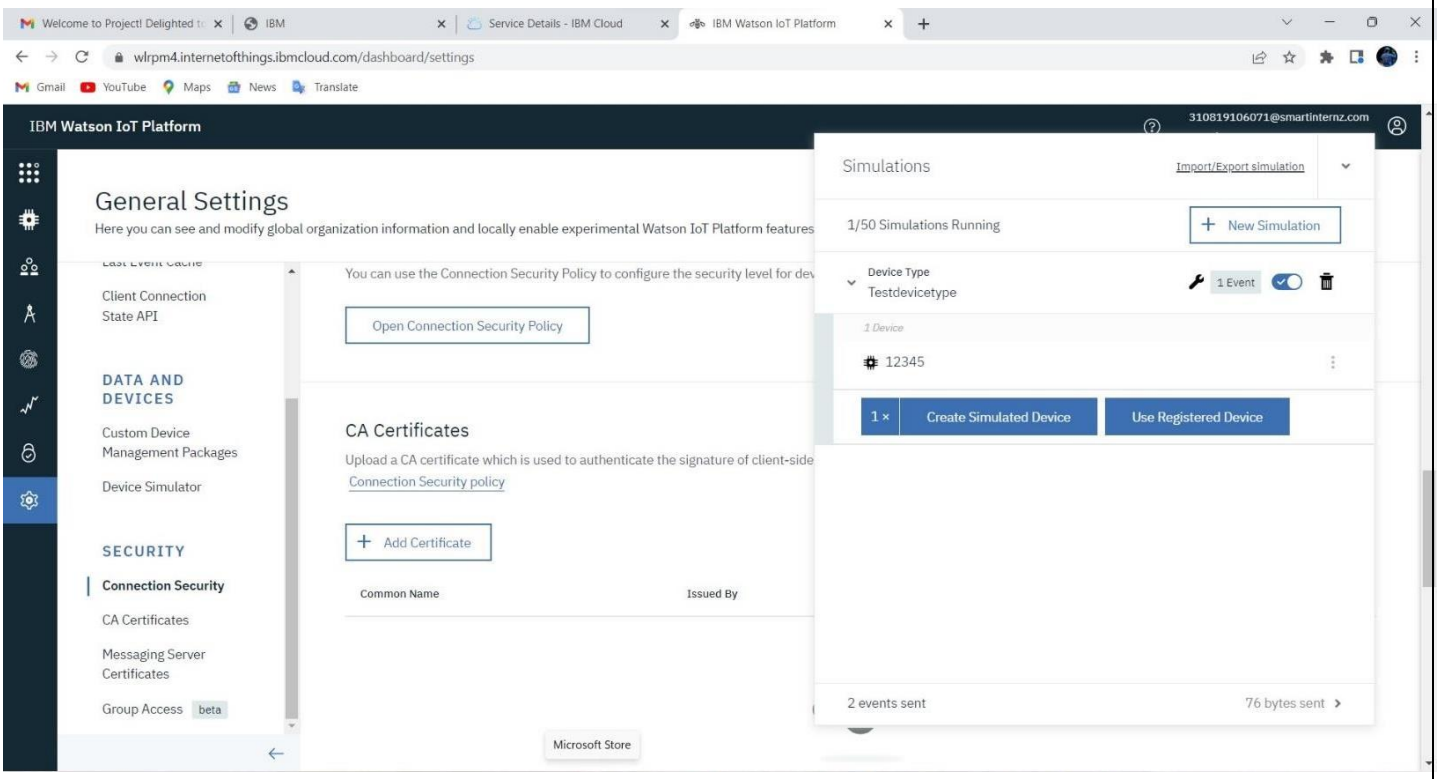
Step 26: Choose the Device.



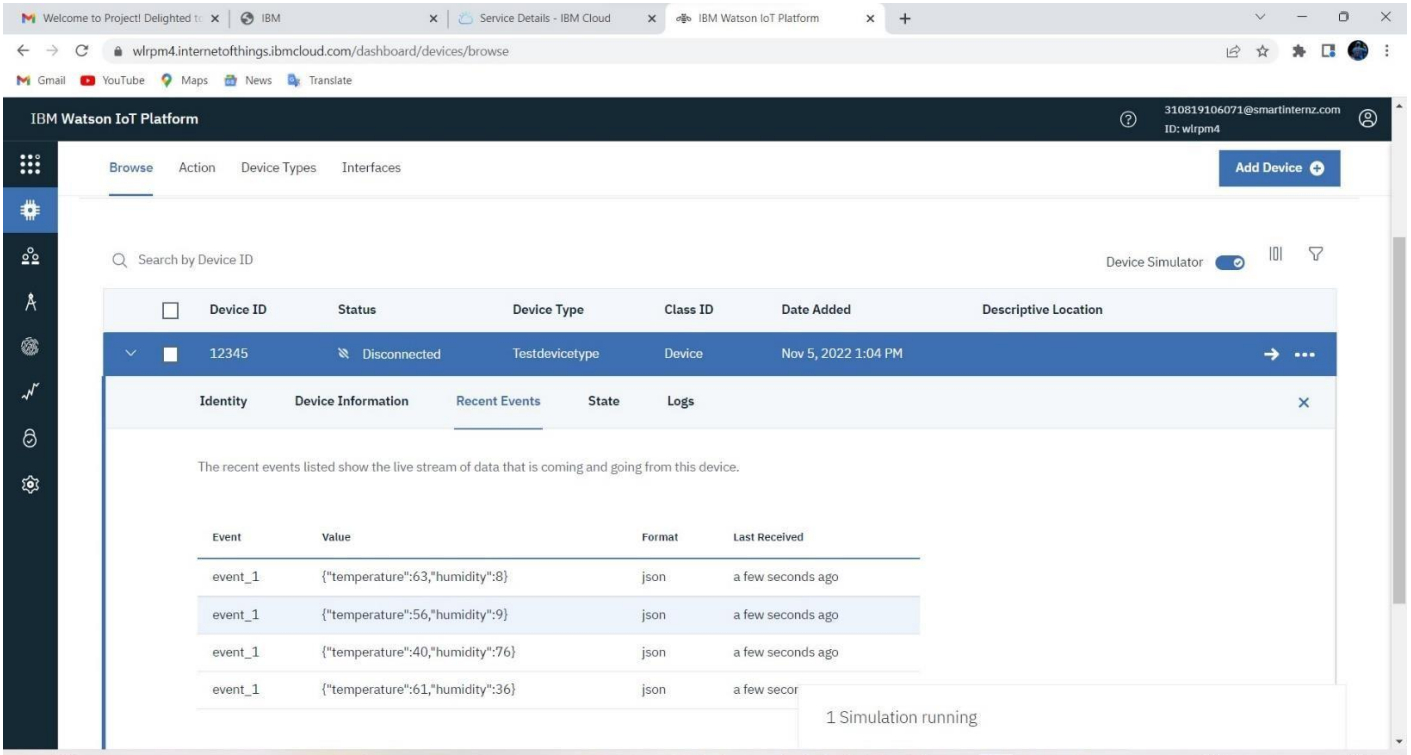
Step 27: Type the code.



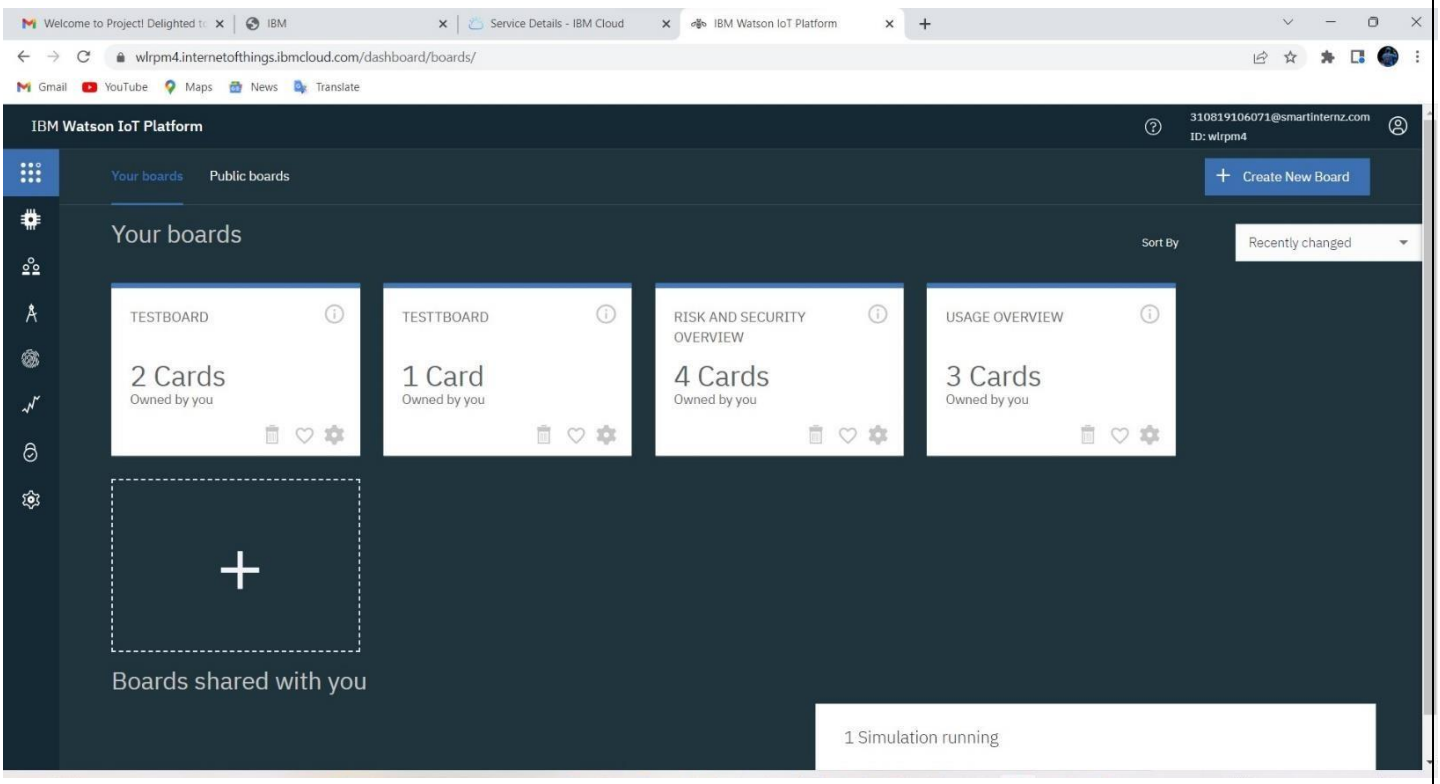
Step 28: Click on Use Registered Device and choose the device and run it.



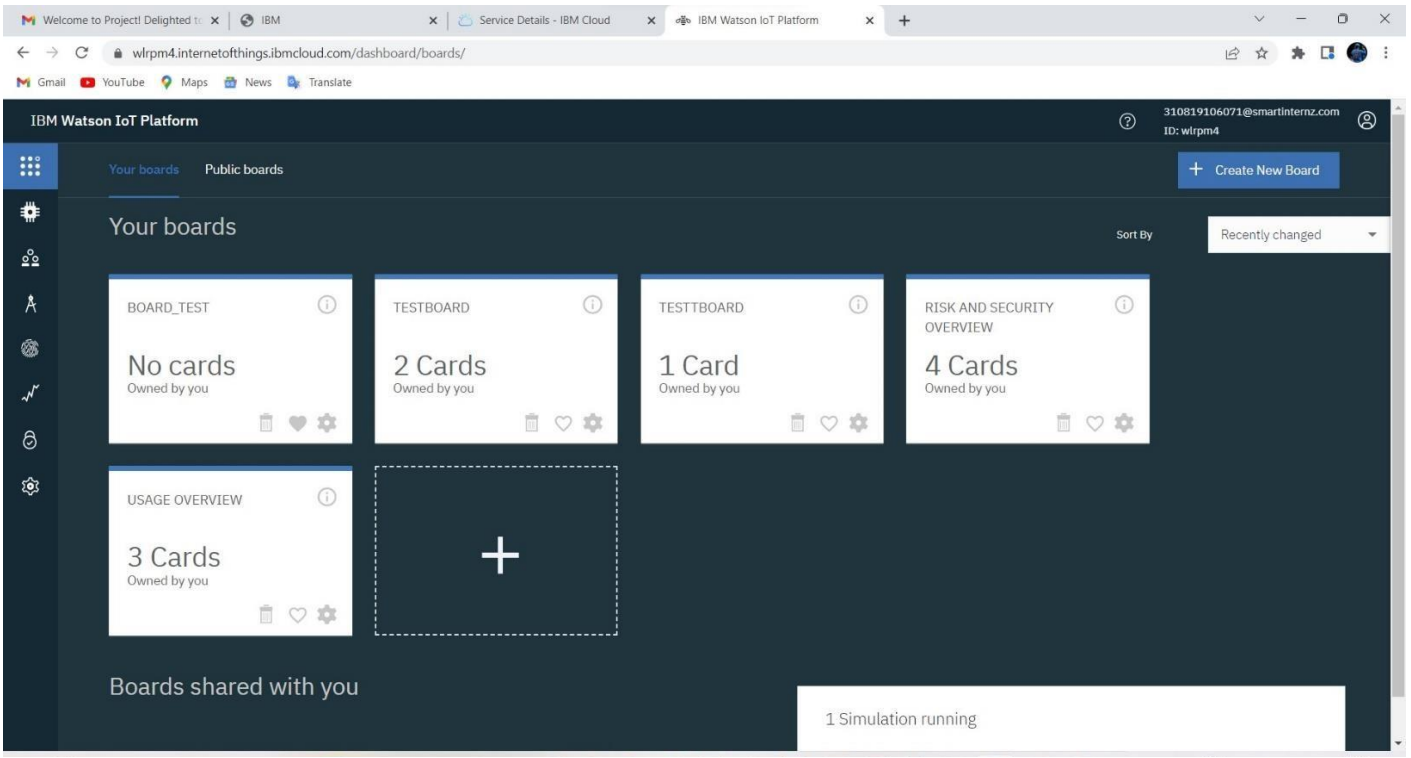
Step 29: Go to devices then click on devices and check the recent events whether the code is running or not.



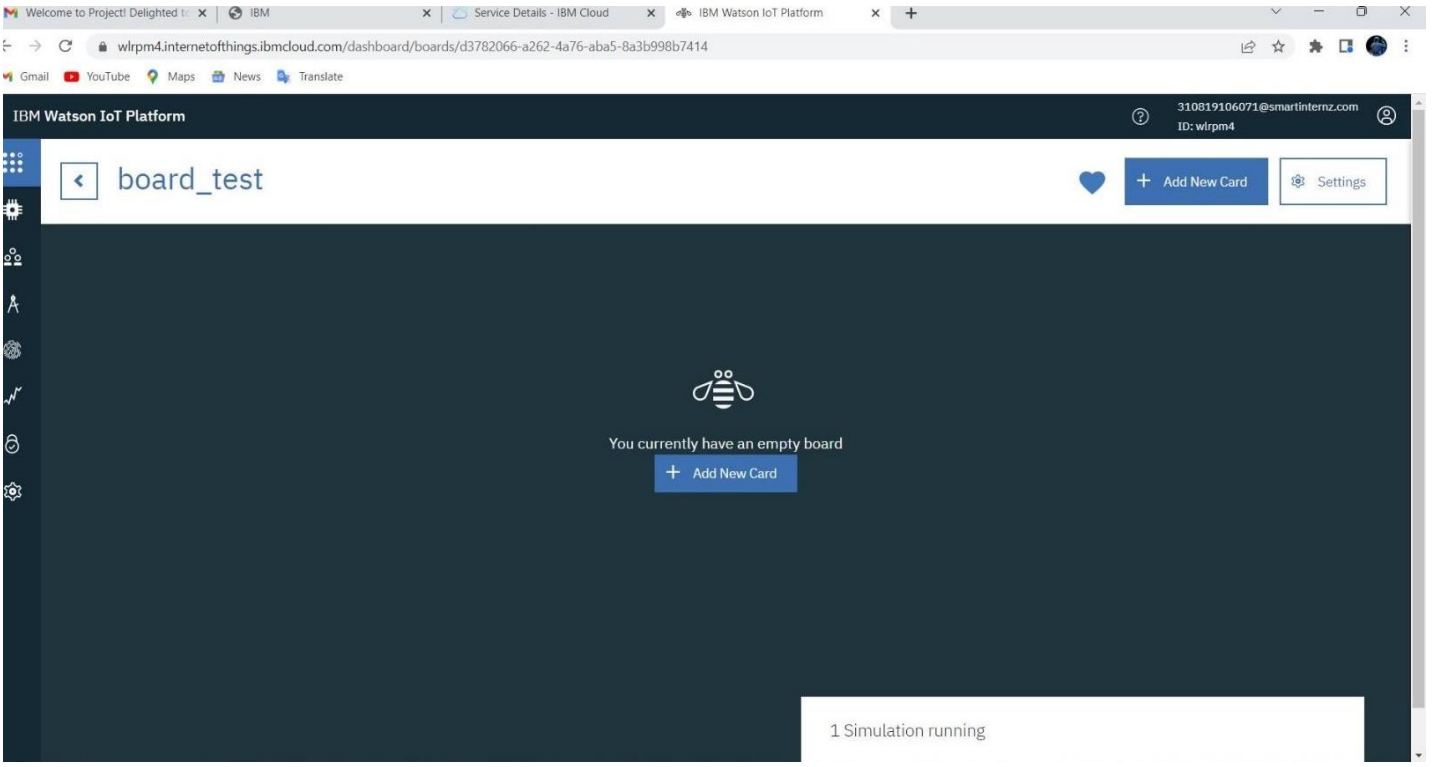
Step 30: Go to Board and click on + Create New Board, fill the details and create a board.



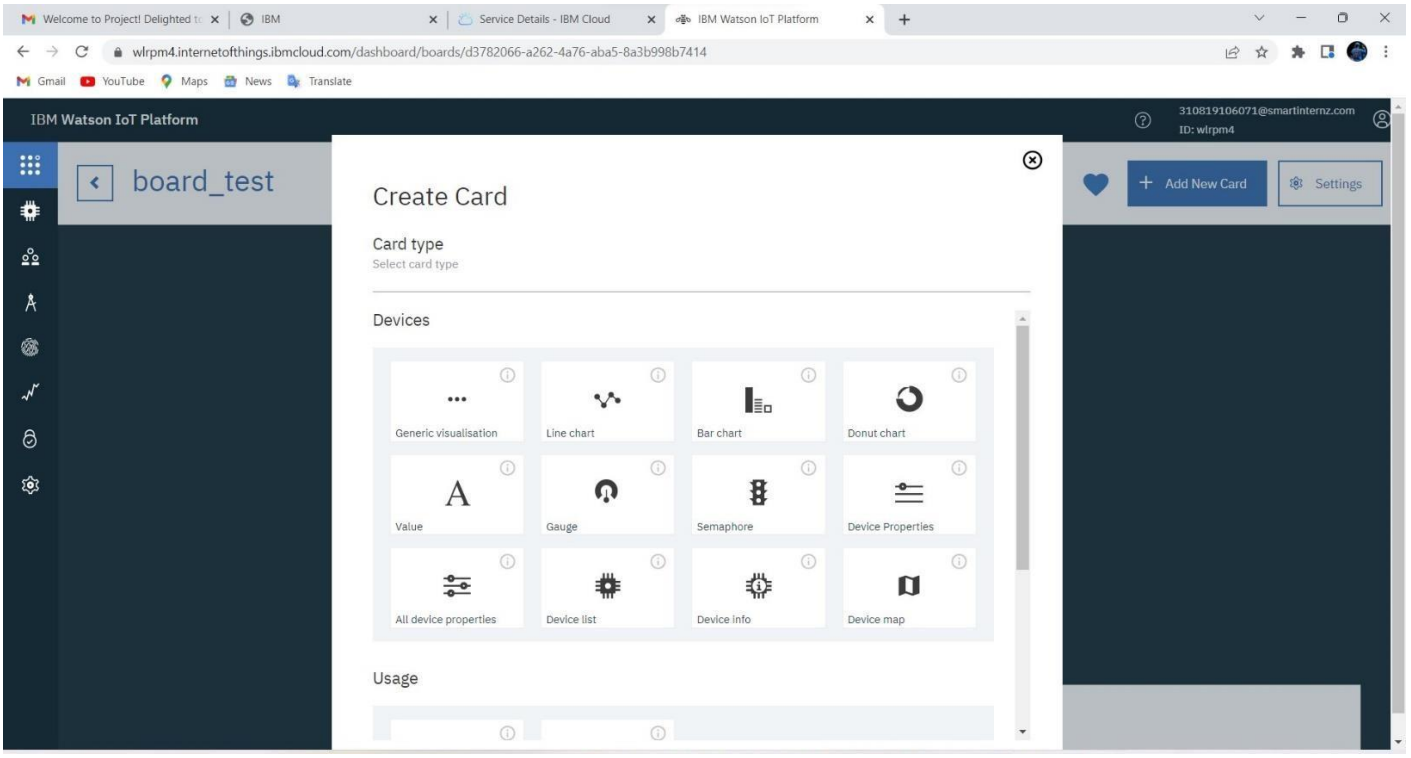
Step 31: Click on the board which is created.



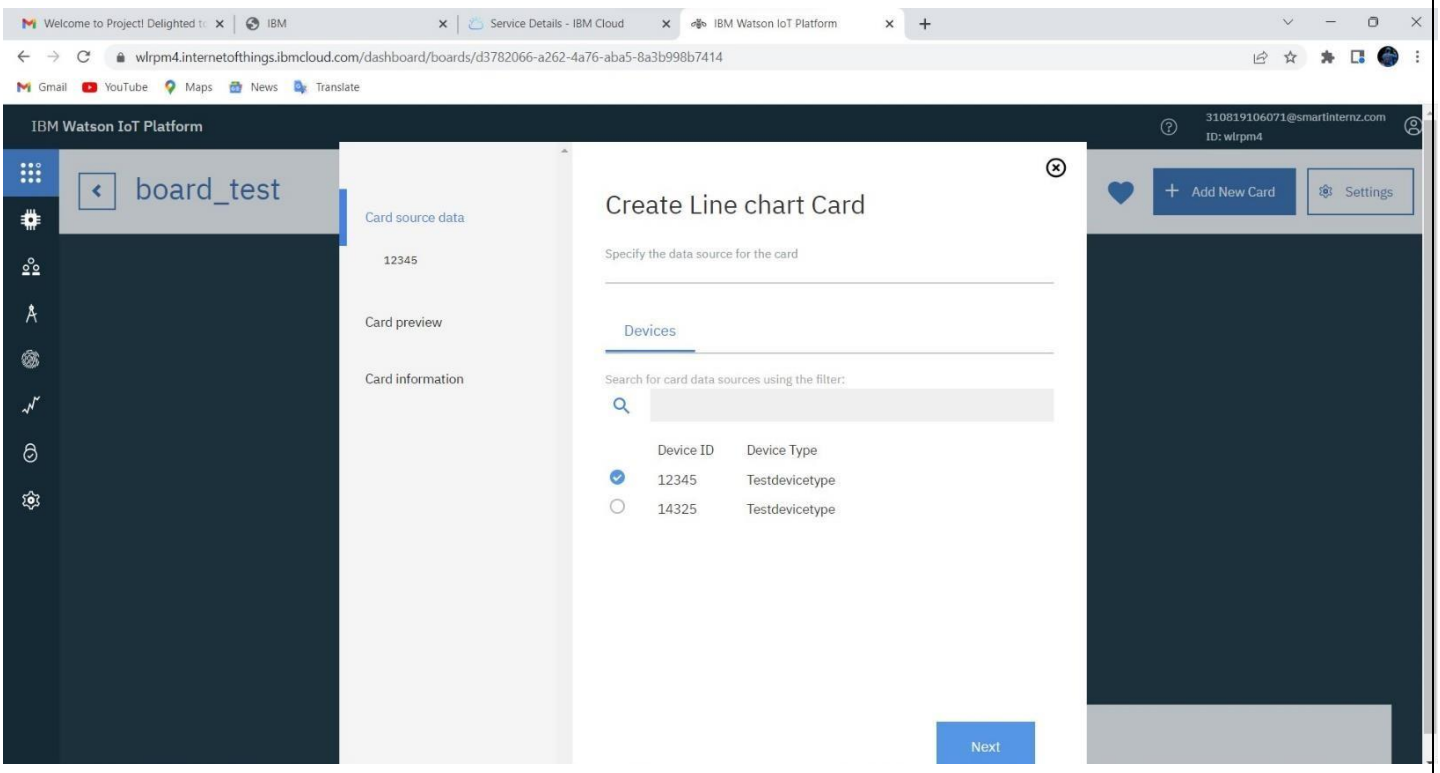
Step 32: Go Add New Card.



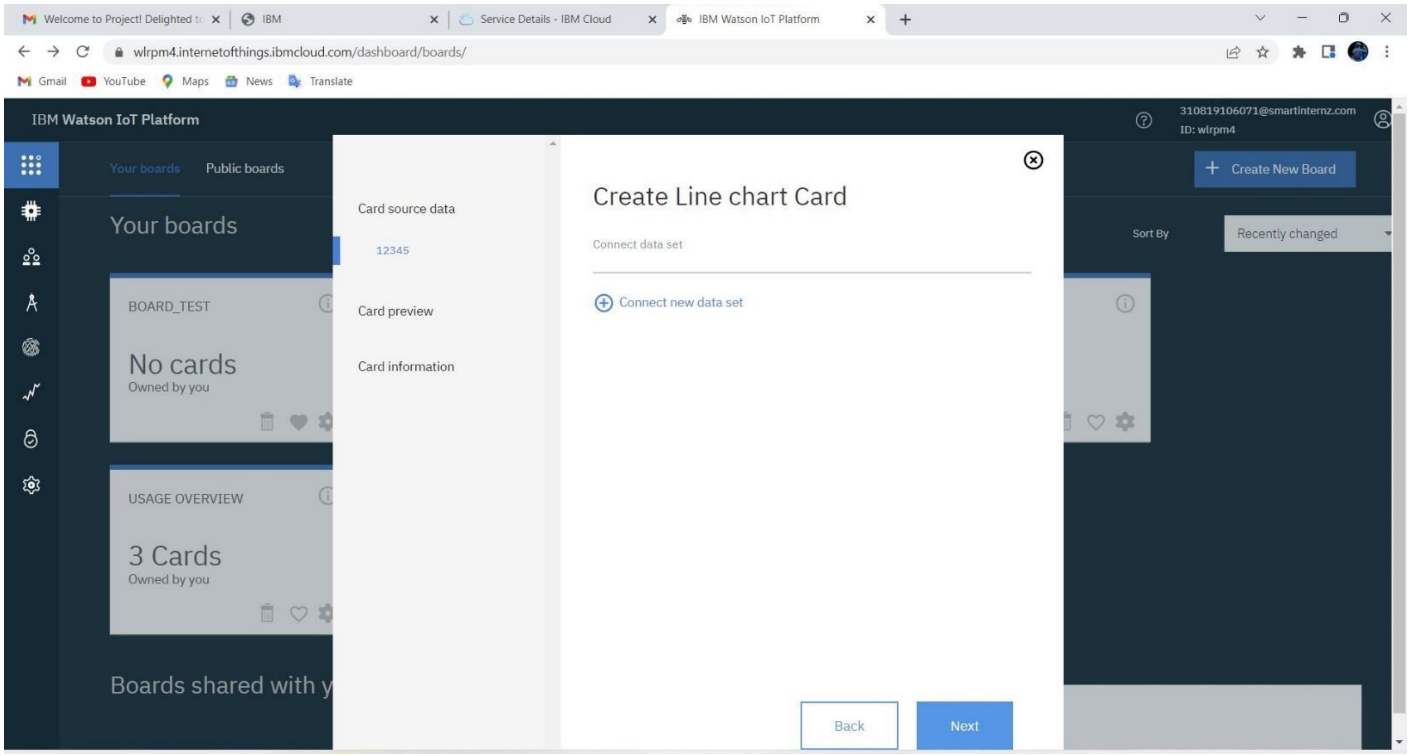
Step 33: Choose the Card Type.



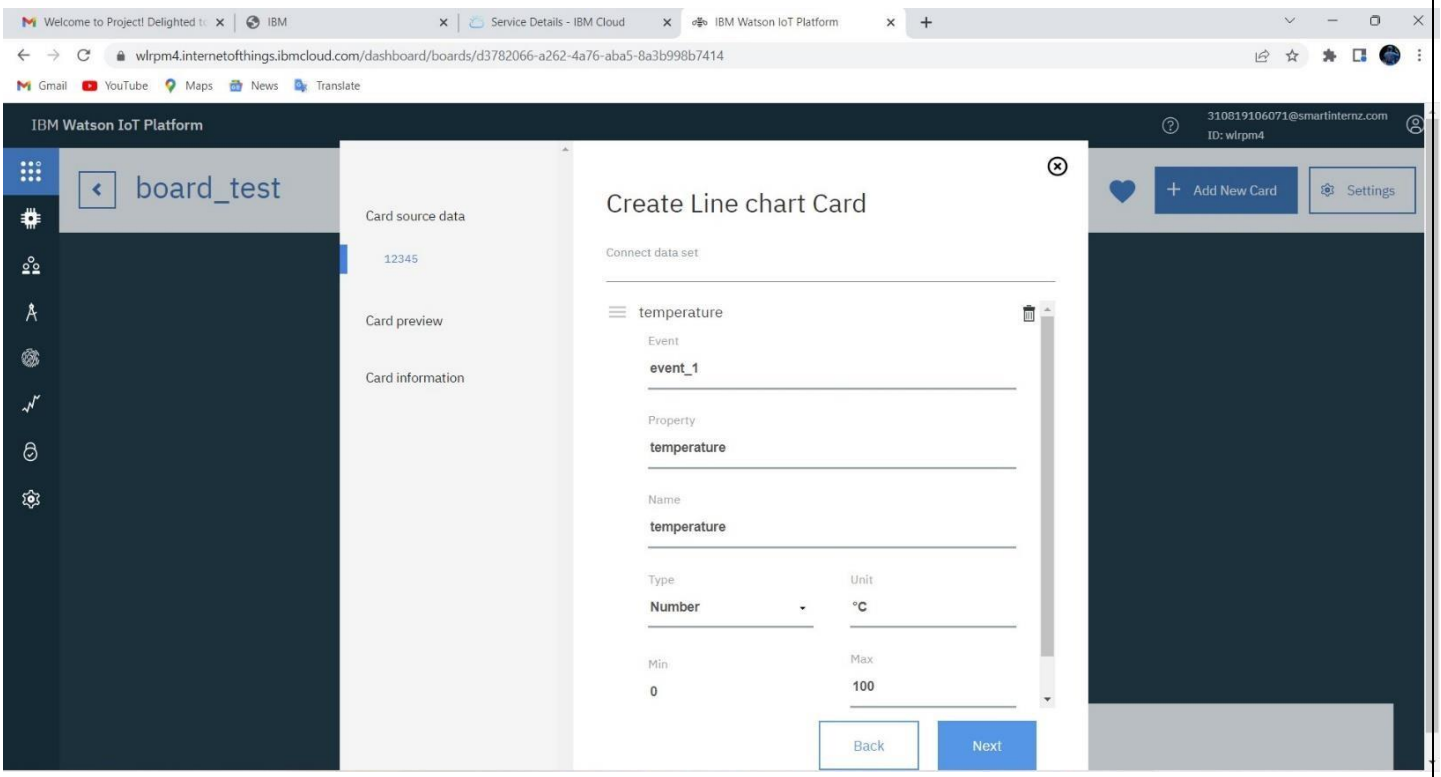
Step 34: Choose the device.



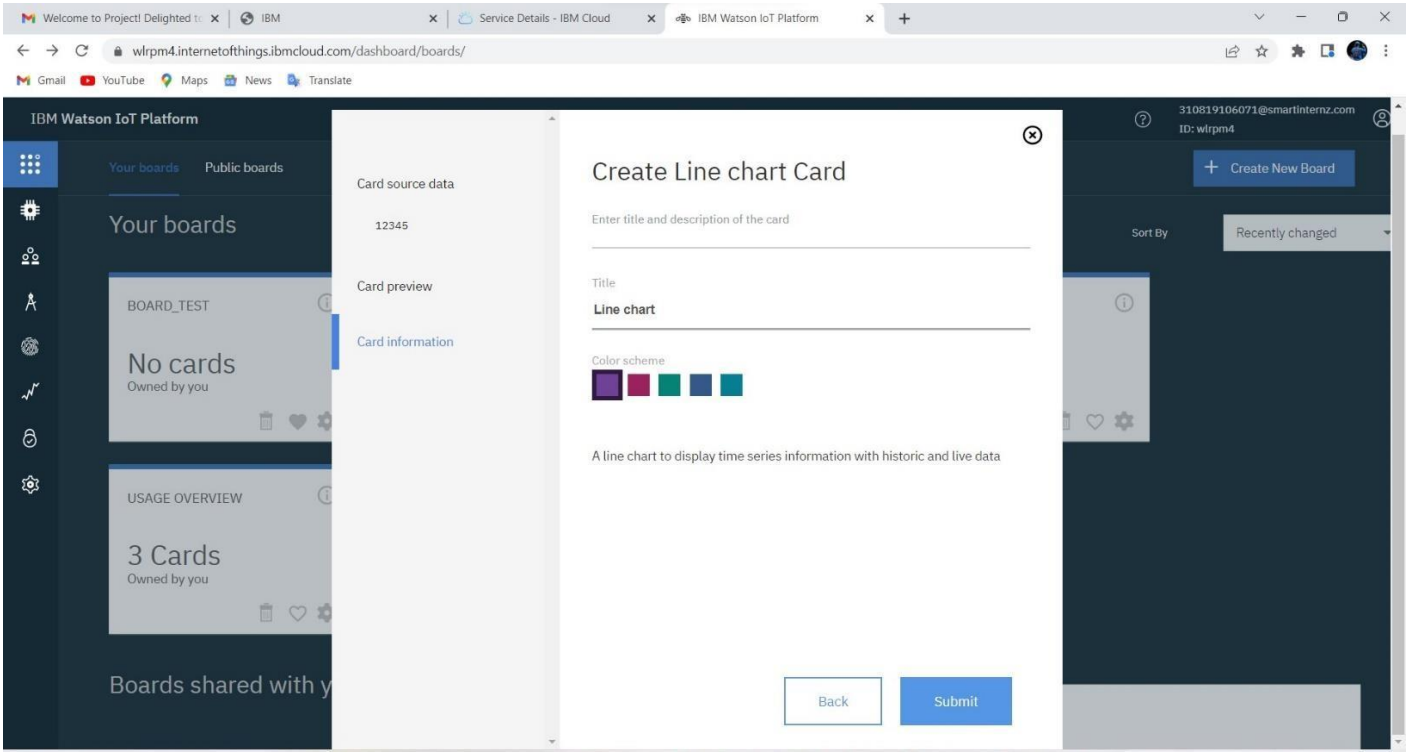
Step 35: Click on Connect new data set.



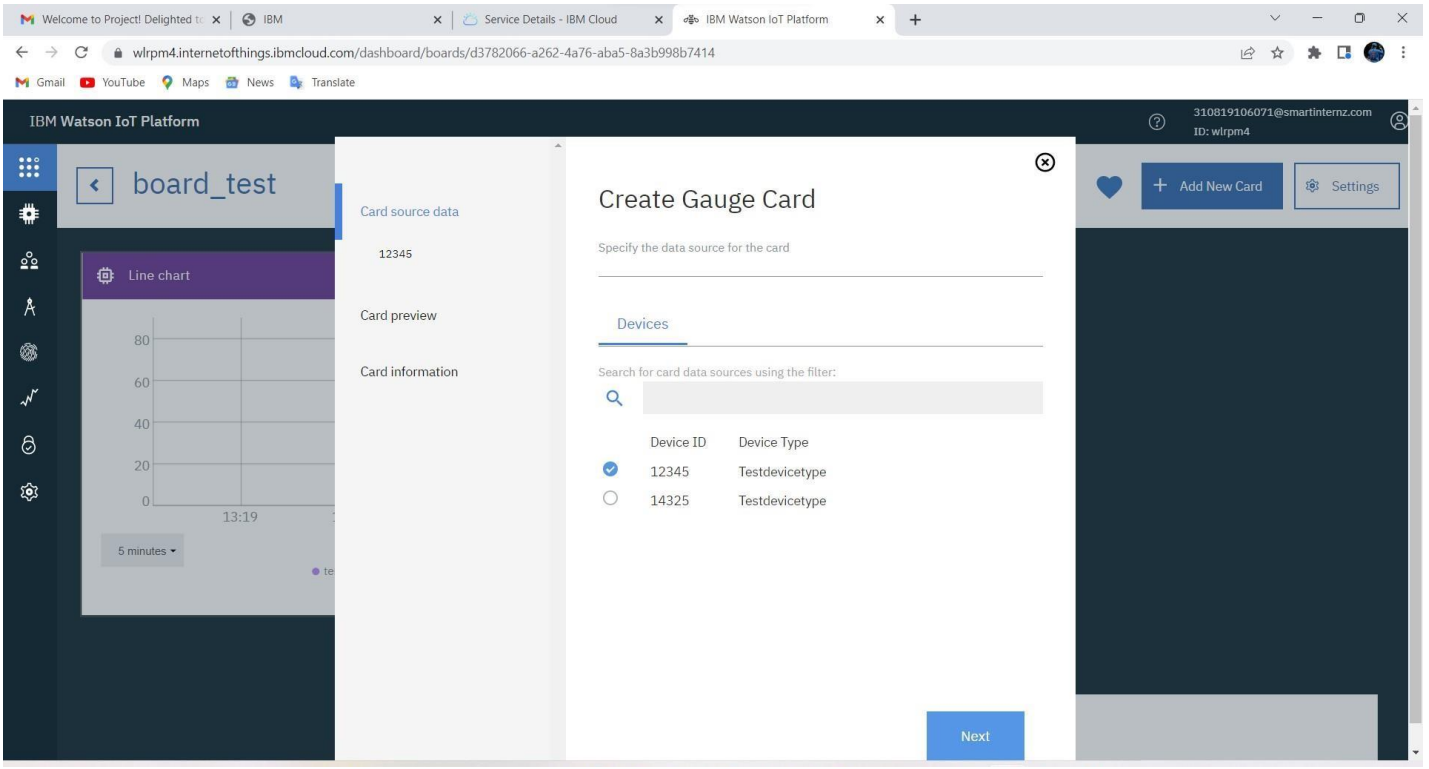
Step 36: Fill the details to get Temperature graph.



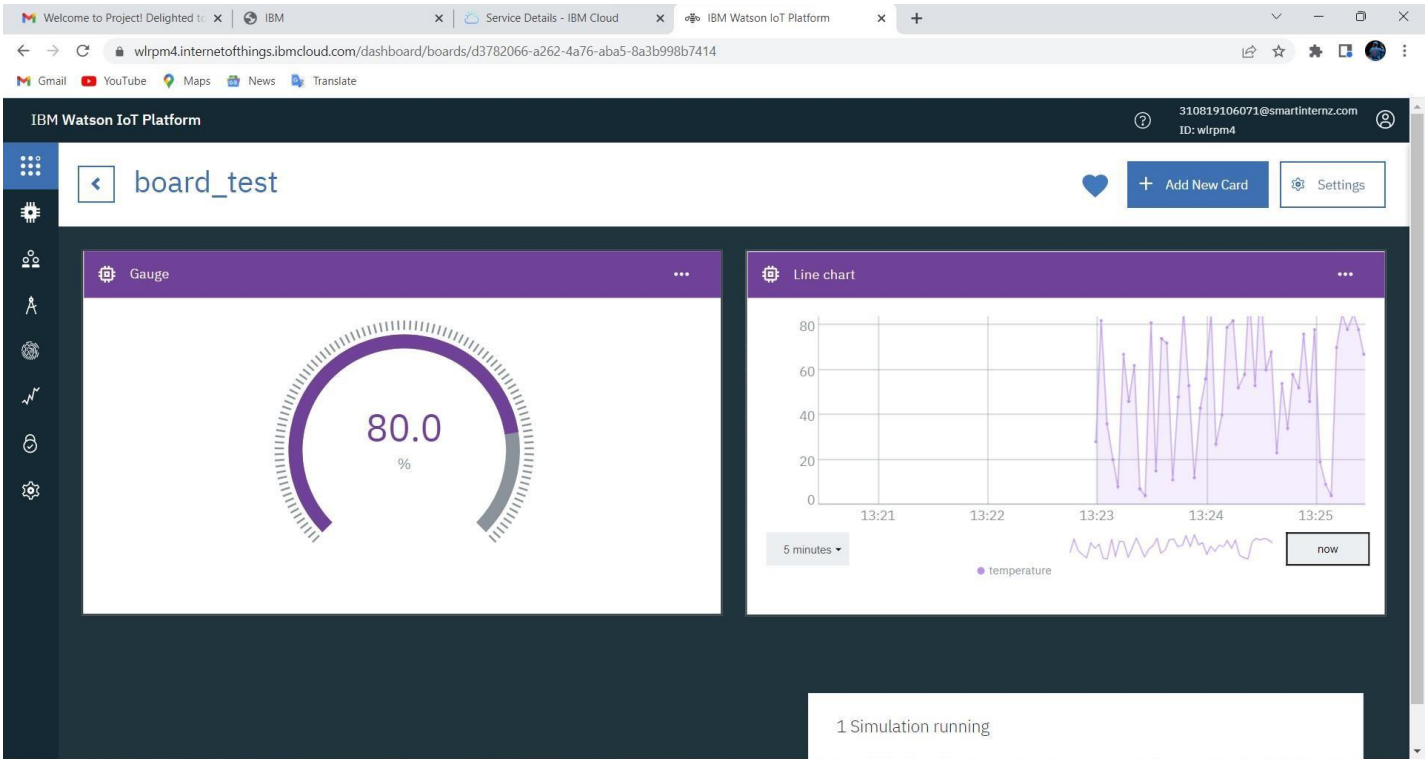
Step 37: Choose the Colour.



Step 38: Repeat the same process again to get the Humidity graph.



Step 39: Here is the Final graph.



Result:

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