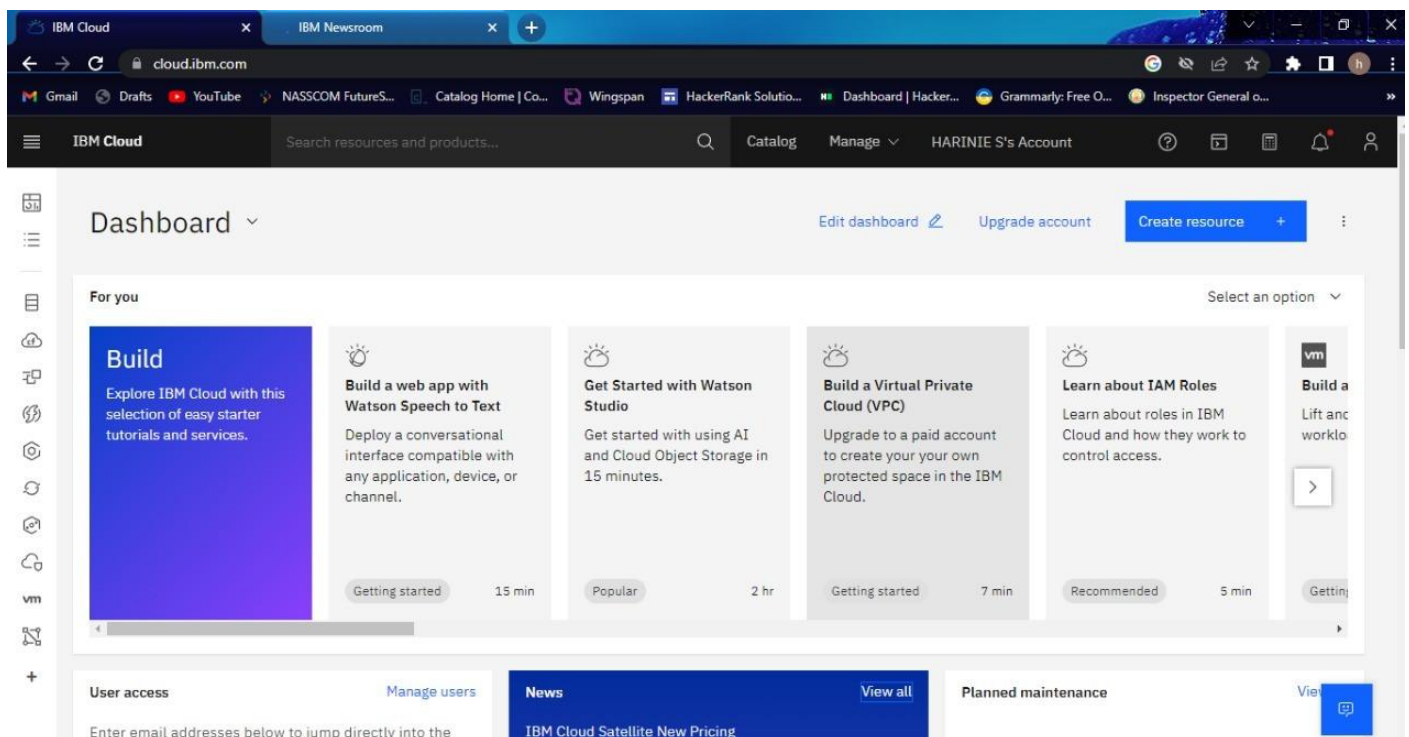


CREATE IBM WATSON IOT PLATFORM AND DEVICE

TEAM ID	PNT2022TMID10999
PROJECT TITLE	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

STEP 1: CREATING IBM CLOUD AND USING ITS SERVICE.



STEP 2: CONFIGURE THE IBM CLOUD SERVICE AND CREATING IOT PLATFORM.

The screenshot shows the IBM Cloud 'Internet of Things Platform' creation page. The browser address bar shows 'cloud.ibm.com/catalog/services/internet-of-things-platform'. The page has a dark header with 'IBM Cloud' and a search bar. The main content area is titled 'Internet of Things Platform' and includes a 'Create' button. A sidebar on the left lists service details: Type (Service), Provider (IBM), Last updated (08/15/2022), Category (Internet of Things), Compliance (IAM-enabled), and Location (Frankfurt, London). The main content area has two tabs: 'Create' and 'About'. Under 'Create', there are two sections: 'Select a location' with a dropdown menu set to 'Frankfurt (eu-de)', and 'Select a pricing plan' with a table of plans. The table has columns for Plan, Features, and Pricing. The 'Lite' plan is selected, showing features like 'Includes up to 500 registered devices, and a maximum of 200 MB of each data metric' and a price of 'Free'. A right sidebar shows a 'Summary' of the configuration: Location: Frankfurt, Plan: Lite, Service name: Internet of Things Platform-c2, and Resource group: Default. A warning message states: '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.' At the bottom, there is a checkbox for 'I have read and agree to the following license agreements:' with a link to 'Terms'.

Internet of Things Platform - IBM x IBM Newsroom x +

cloud.ibm.com/catalog/services/internet-of-things-platform

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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

Location Frankfurt London

Select a location

Frankfurt (eu-de)

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 maximum of 200 MB of each data metric Maximum of 500 registered devices Maximum of 500 application bindings	Free

Summary

Internet of Things Platform Free

Location: Frankfurt

Plan: Lite

Service name: Internet of Things Platform-c2

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: [Terms](#)

STEP 3: IBM WATSON IOT PLATFORM AS THE MEDIATOR TO CONNECT THE WEB APPLICATION TO IOT DEVICES.

The screenshot shows the IBM Watson IoT Platform 'Let's get started' page. The browser address bar shows 'cloud.ibm.com/services/iotf-service/crm%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2F28e6f4ba518b4d47968fcff88cb5699c%3Afc3db...'. The page has a dark header with 'IBM Cloud' and a search bar. The main content area is titled 'Internet of Things Platform-84' and includes a 'Launch' button. A sidebar on the left lists service details: Manage, Plan, and Connections. The main content area has a large graphic of a central square with four lines extending from it, each ending in a circle. To the right of the graphic is the text 'Let's get started with IBM Watson IoT Platform' and 'Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.' Below this is a 'Launch' button and a 'Docs' button. At the bottom, there is a section titled 'Ready for the next level?' with the text 'IBM Watson IoT Platform Journey' and a progress bar with three steps: 'Lite' (checked), 'Non-Production', and 'Production'.

Service Details - IBM Cloud x IBM Newsroom x +

cloud.ibm.com/services/iotf-service/crm%3Av1%3Abluemix%3Apublic%3Aiotf-service%3Aeu-de%3Aa%2F28e6f4ba518b4d47968fcff88cb5699c%3Afc3db...

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Internet of Things Platform-84 Active Add tags

Details Actions...

Manage

Plan

Connections

Let's get started with IBM Watson IoT Platform

Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

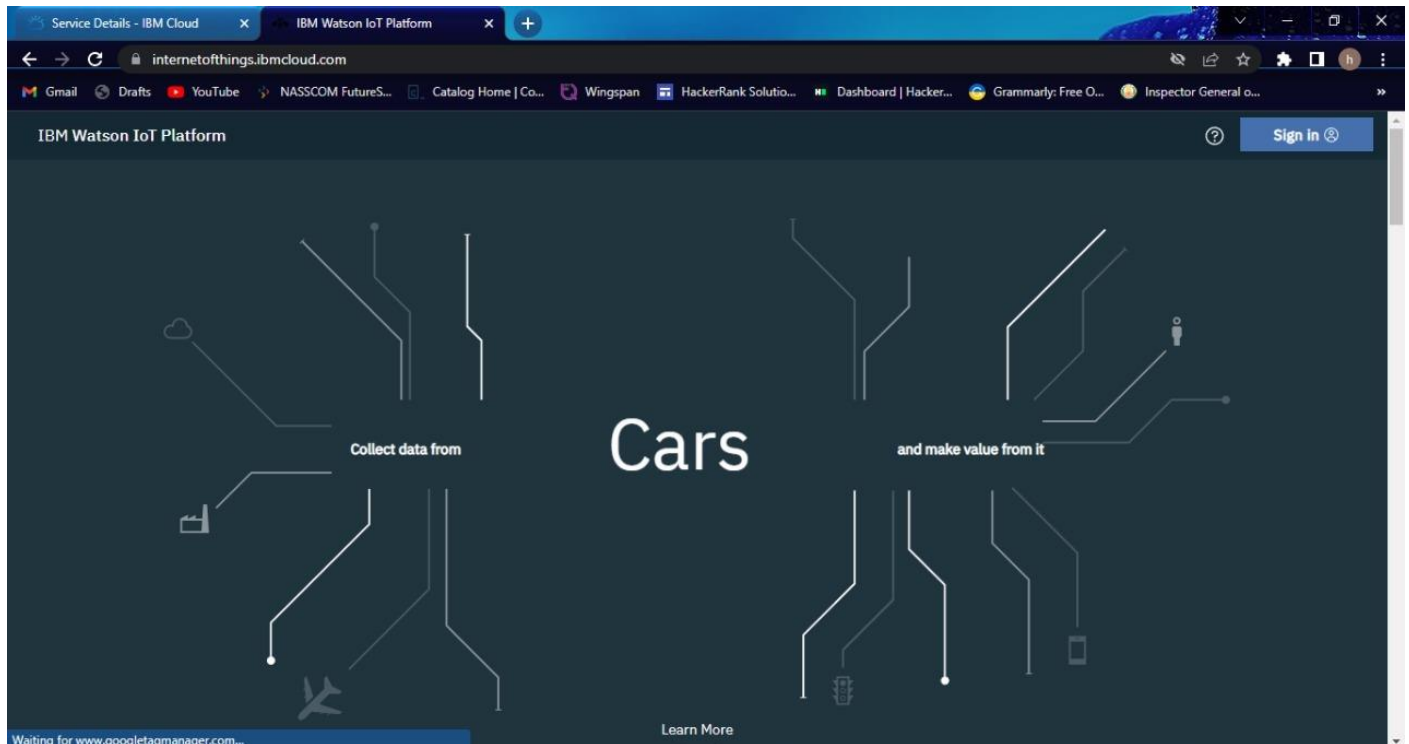
Launch Docs

Ready for the next level?

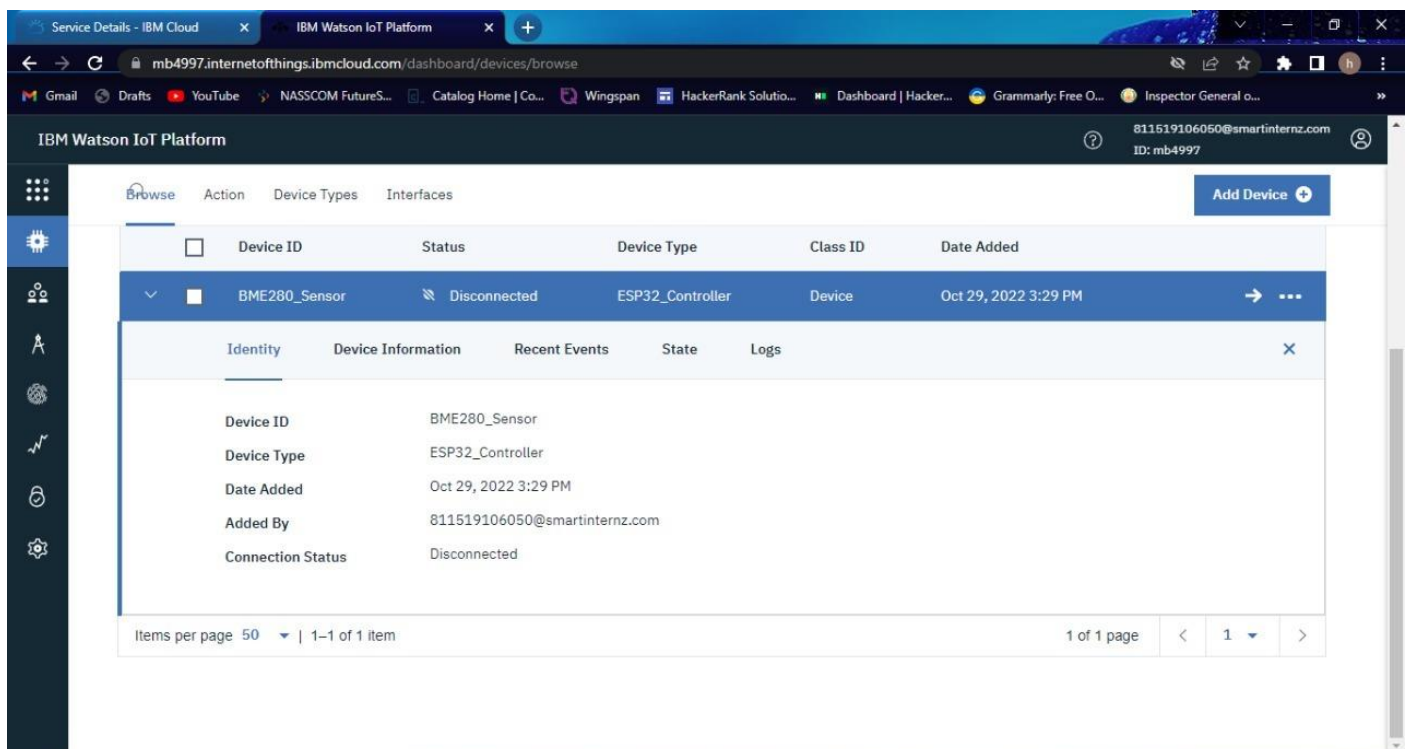
IBM Watson IoT Platform Journey

Lite Non-Production Production

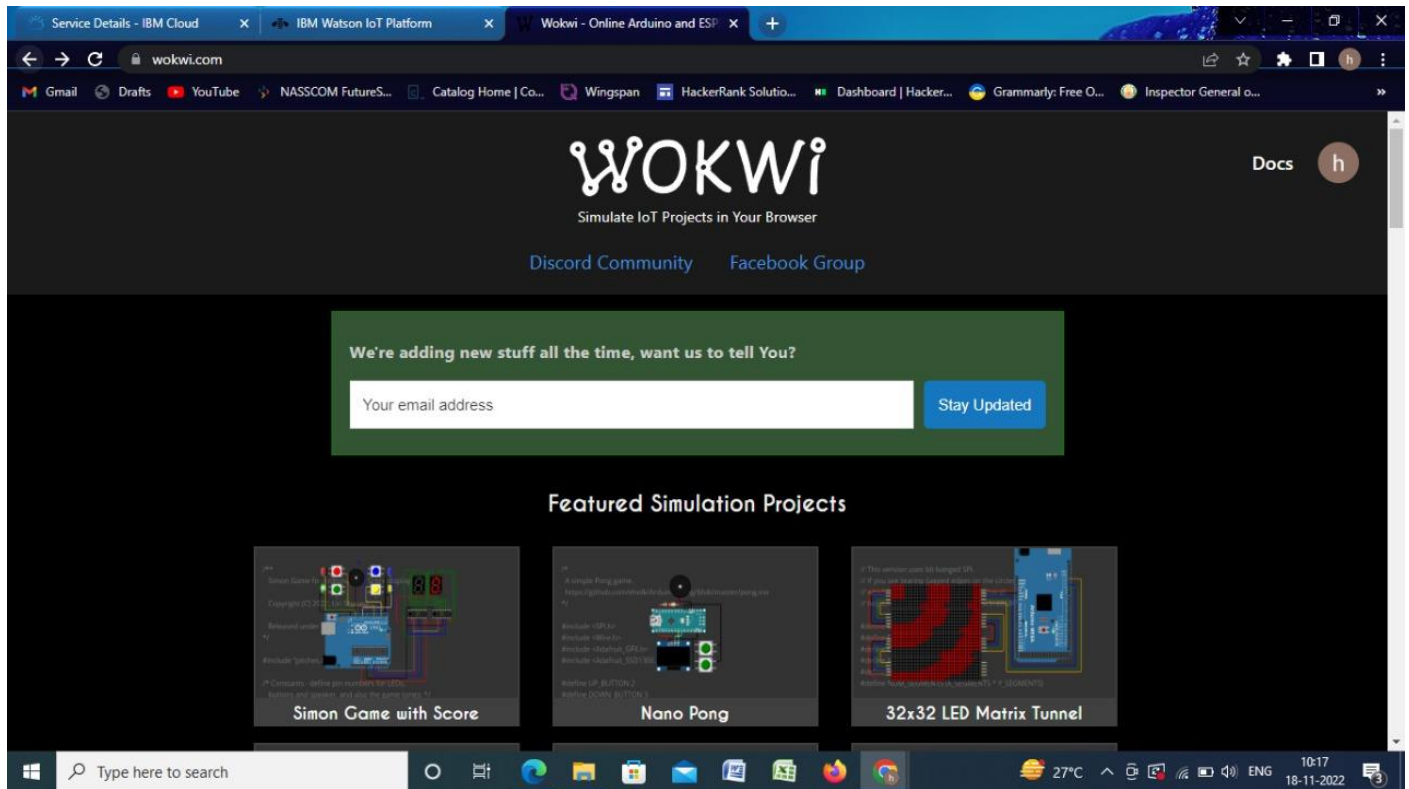
STEP 4: IBM WATSON IOT PLATFORM IS CREATED.



STEP 5: IN ORDER TO CONNECT THE IOT DEVICE TO THE IBM CLOUD.



STEP 6: SIGN IN THE WOKWI ACCOUNT.



STEP 7: SIMULATION.

