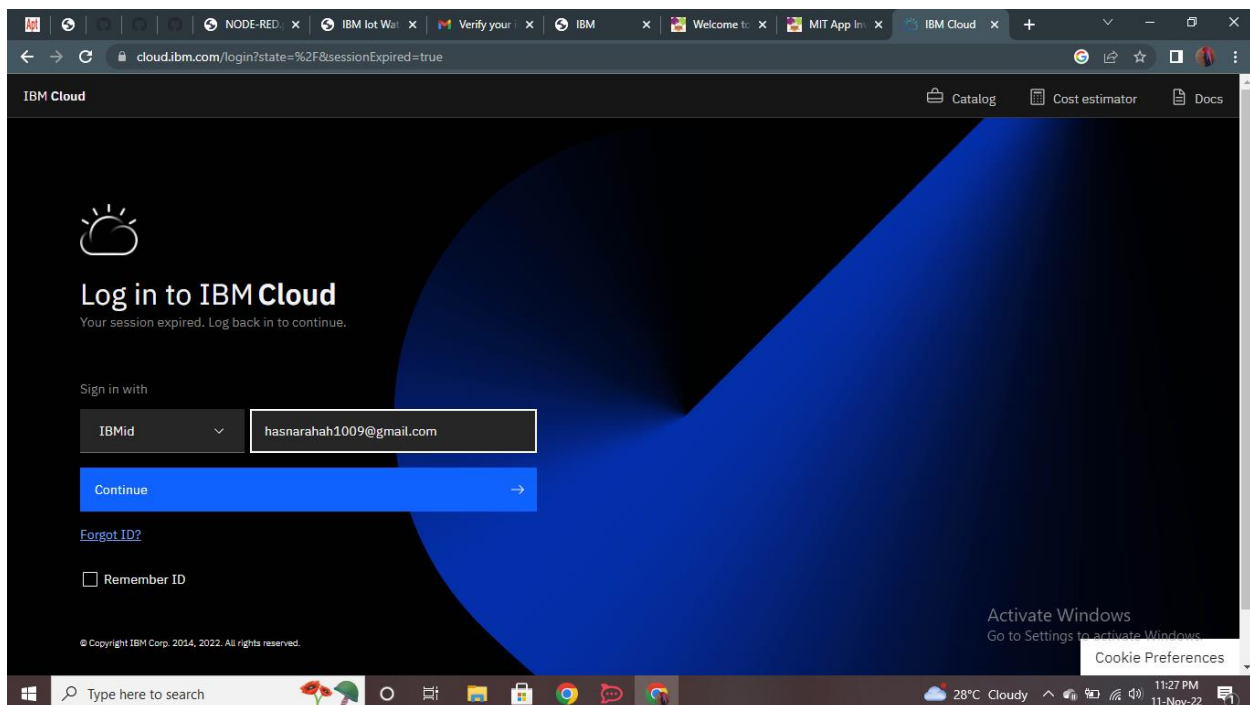


IBM NALAIYATHIRAN SMART FARMER-IOT ENABLED SMART FARMING APPLICATION

Create and Configure IBM services IOT Watson Platform

Title	Smart farmer-IoT enabled smart farming application
Domain	Internet of Things
Team ID	PNT2022TMID44170
Project Name	Project – Smart Farmer-IoT Enabled smartFarming Application

Step1: Log in your registered id



Step 2: click catalog where you find the services and internet of thing you can select and make location as London

The screenshot shows the IBM Cloud Catalog page for the Internet of Things Platform. The page is titled "Internet of Things Platform" and includes a description: "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." The "Create" tab is selected, and the "Select a location" dropdown is set to "London (eu-gb)". The "Select a pricing plan" section shows a table with two plans: "Lite" and "Free". The "Lite" plan is selected, and its features are listed: "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", and "Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed". The "Free" plan is also listed with a price of "Free". The "Summary" panel on the right shows the service name "Internet of Things Platform", location "London", plan "Lite", service name "Internet of Things Platform-qz", and resource group "Default". There is a checkbox for "I have read and agree to the following license agreements:" and a "Create" button.

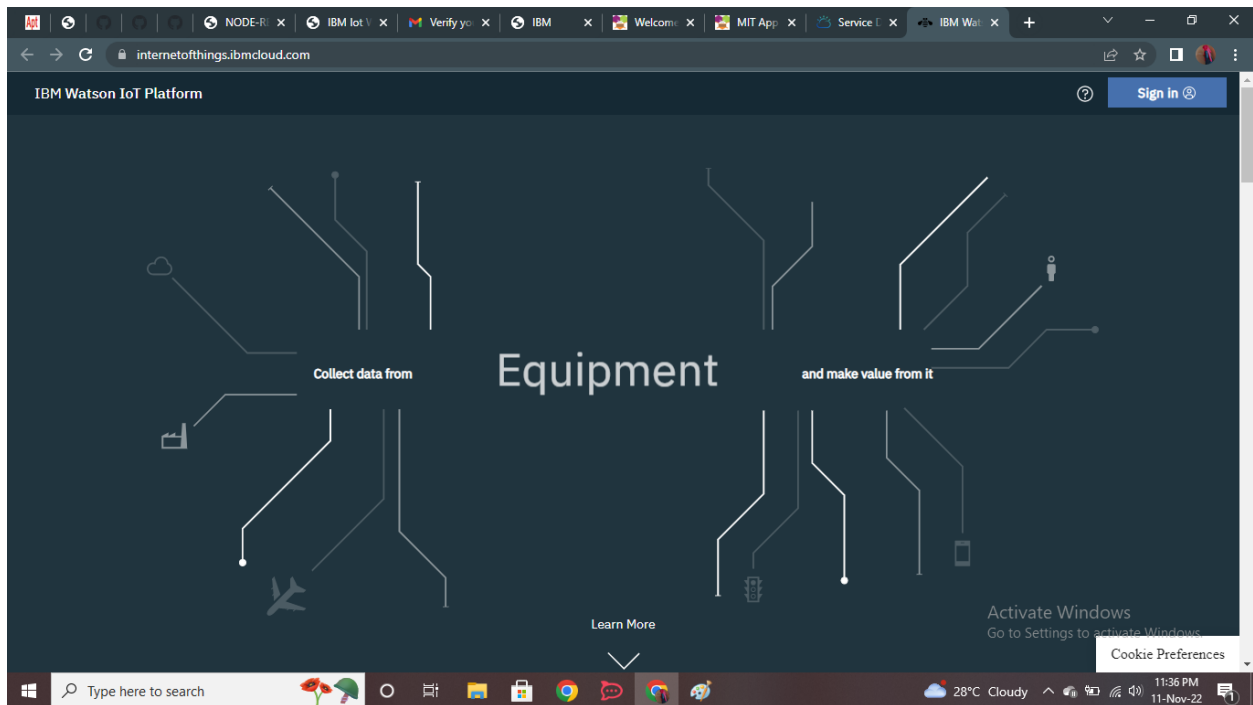
Plan	Features	Pricing
Lite	Includes up to 500 registered devices, and a maximum of 200 MB of each data metric Maximum of 500 registered devices Maximum of 500 application bindings Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed	Free

Step 3: click create and the launch tab get open, then click launch

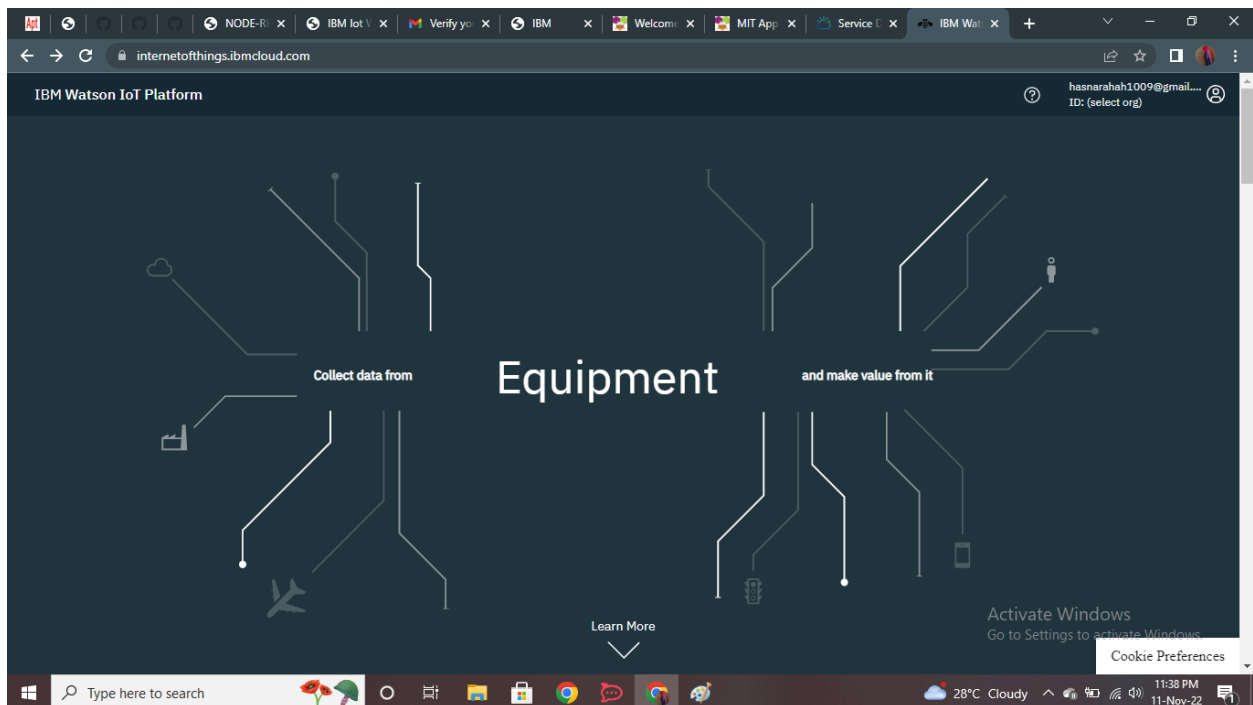
The screenshot shows the IBM Cloud Service Details page for the Internet of Things Platform. The page is titled "Internet of Things Platform-8f" and includes a description: "Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world." The "Launch" button is highlighted. The "Manage" tab is selected, and the "Plan" sub-tab is active. The "Connections" section shows a diagram of a device connected to a cloud. The "Ready for the next level?" section shows three plans: "Lite", "Non-Production", and "Production". The "Lite" plan is selected, and its features are listed: "The Lite service plan provides a lightweight development environment to get you started". The "Non-Production" plan is also listed with a price of "Free". The "Production" plan is listed with a price of "Free". The "Summary" panel on the right shows the service name "Internet of Things Platform", location "London", plan "Lite", service name "Internet of Things Platform-qz", and resource group "Default". There is a checkbox for "I have read and agree to the following license agreements:" and a "Create" button.

Plan	Features	Pricing
Lite	The Lite service plan provides a lightweight development environment to get you started	Free
Non-Production	The Non-Production service plan is a full-featured, fully-integrated offering that enables	Free
Production	The Production service is a fully managed SaaS offering that enables you to manage and analyze	Free

Step 4: It redirect you to IBM WATSON platform where you need to click sign in



STEP 5: Sign in with the IBM cloud login credentials



Step 6: directed to the new tab where we can add the devices as per our requirements.

The screenshot shows the 'Browse Devices' page in the IBM Watson IoT Platform. The page has a dark blue header with the IBM logo and navigation tabs: 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons. The main content area is titled 'Browse Devices' and includes a search bar, a table of devices, and a '1 Simulation running' notification. The table has columns for Device ID, Status, Device Type, Class ID, and Date Added. The first device listed is 'hasna09' with a status of 'Disconnected' and a device type of 'hasnarahah09'. The page also features a 'Device Simulator' toggle and a '1 of 1 page' indicator.

Device ID	Status	Device Type	Class ID	Date Added
hasna09	Disconnected	hasnarahah09	Device	Nov 11, 2022 7:46 PM

Step 7: check boards for risk and security overview card, it uses for graphical representation boards

The screenshot shows the 'Your boards' page in the IBM Watson IoT Platform. The page has a dark blue header with the IBM logo and navigation tabs: 'Your boards' and 'Public boards'. A sidebar on the left contains various icons. The main content area is titled 'Your boards' and includes a 'Create New Board' button, a 'Sort By' dropdown, and two cards: 'USAGE OVERVIEW' (3 Cards) and 'RISK AND SECURITY OVERVIEW' (4 Cards). The 'RISK AND SECURITY OVERVIEW' card is highlighted. The page also features a '1 Simulation running' notification and an 'Activate Windows' banner.

Step 8: after clicking create a new device / add device you can choose an device type and device id and complete the following information to create a device

The screenshot shows the 'Add Device' form in the IBM Watson IoT Platform. The form is titled 'Add Device' and has a progress bar with four steps: Identity, Device Information, Security, and Summary. The 'Identity' step is currently active. Below the progress bar, there is a text prompt: 'Select a device type for the device that you are adding and give the device a unique ID.' There are two input fields: 'Device Type' with the value 'hasnarahah09' and 'Device ID' with the value 'hasna09'. At the bottom right of the form, there are 'Cancel' and 'Next' buttons. The background shows the 'Browse Devices' page with a '1 Simulation running' notification and an 'Activate Windows' watermark.

IBM Watson IoT Platform

hasnarahah1009@gmail.com
ID: 48uqbr

Browse Action Device Types Interfaces

Add Device

Identity Device Information Security Summary

Select a device type for the device that you are adding and give the device a unique ID.

Device Type hasnarahah09

Device ID hasna09

Cancel Next

Browse Devices

1 Simulation running

Activate Windows
Go to Settings to activate Windows.

Step 9: created a device

The screenshot shows the 'Device Drilldown' page for the device 'hasna09'. The page has a 'Back' button and a title 'Device Drilldown - hasna09'. On the left, there is a sidebar with a list of options: Connection Information, Recent Events, State, Device Information, Metadata, Diagnostics, Connection Logs, and Device Actions. The 'Connection Information' option is selected. The main content area shows 'Connection Information' with a subtitle 'Basic connection information about this device.' Below this, there is a table with the following data:

Device ID	hasna09
Device Type	hasnarahah09
Date Added	Nov 11, 2022 7:46 PM
Added By	hasnarahah1009@gmail.com
Connection Status	Disconnected

Below the table, there is a section for 'Recent Events' with a subtitle 'The recent events listed show the live stream of data that is coming and going from this device.' At the bottom, there is a table with columns 'Event' and 'Value'. The background shows the '1 Simulation running' notification and an 'Activate Windows' watermark.

IBM Watson IoT Platform

hasnarahah1009@gmail.com
ID: 48uqbr

← Back

Device Drilldown - hasna09

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

Connection Information

Basic connection information about this device.

Device ID	hasna09
Device Type	hasnarahah09
Date Added	Nov 11, 2022 7:46 PM
Added By	hasnarahah1009@gmail.com
Connection Status	Disconnected

Recent Events

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

Event	Value
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1 Simulation running

Activate Windows
Go to Settings to activate Windows.