

IBM Cloud Services

IBM Watson IoT Platform And Device

Team ID : PNT2022TMID12758

Project Name: IoT Based Smart Crop Protection System for Agriculture

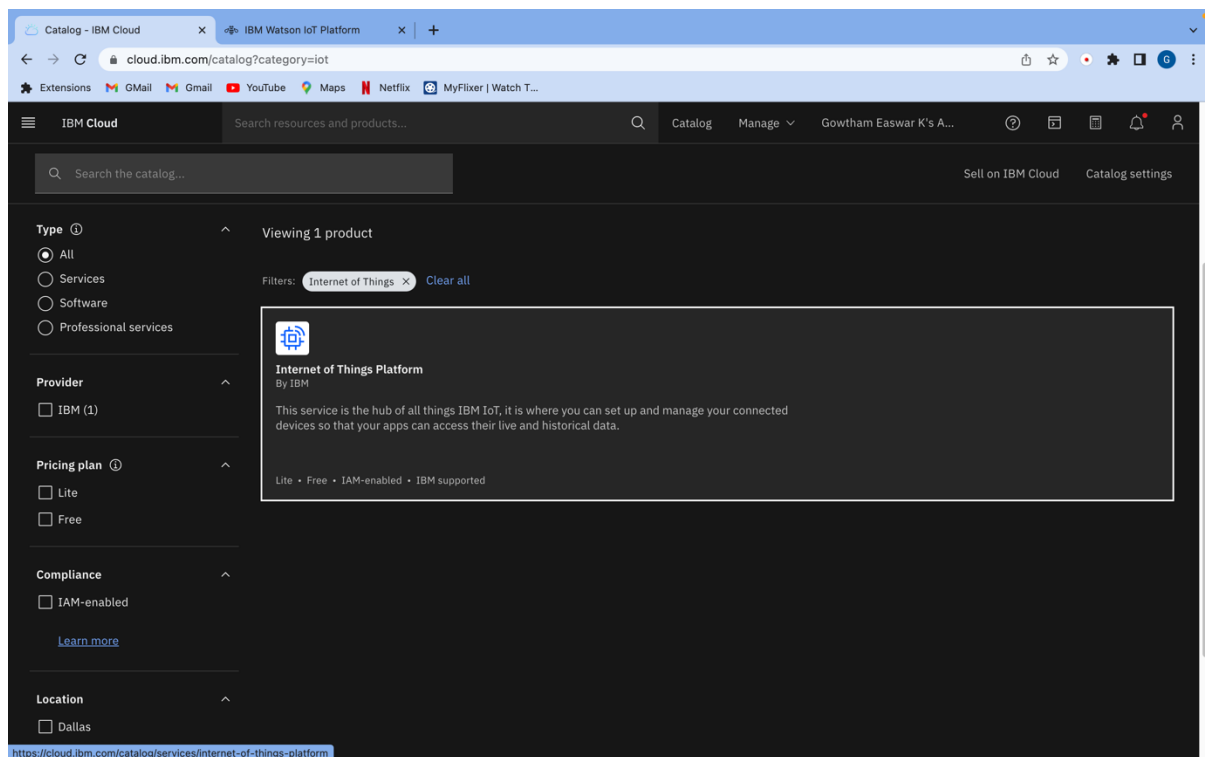
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1) Selecting Internet of Things Platform in the IBM Cloud



2) Configuring the resource

The screenshot shows the IBM Cloud catalog page for the 'Internet of Things Platform' service. The page is divided into several sections:

- Category:** Internet of Things
- Compliance:** IAM-enabled
- Location:** Frankfurt, London, Dallas, Washington DC
- Related links:** Docs, Terms
- Select a pricing plan:** A table showing the 'Lite' plan, which includes up to 500 registered devices and a maximum of 200 MB of each data metric. The pricing is 'Free'.
- Configure your resource:** Fields for 'Service name' (Internet of Things Platform-2o), 'Select a resource group' (Default), 'Tags' (Examples: env:dev, version-1), and 'Access management tags' (Examples: access:dev, proj:version-1).
- Summary:** A section on the right showing the service name, location, plan, and resource group. It also includes a checkbox for 'I have read and agree to the following license agreements' and buttons for 'Create' and 'Add to estimate'.

3) Created the IBM Watson IoT platform

The screenshot shows the 'Service Details' page for the 'Internet of Things Platform-2o' service. The page is divided into several sections:

- Resource list:** Shows the service is 'Active' and provides a link to 'Add tags'.
- Manage:** A sidebar with options for 'Plan' and 'Connections'.
- Let's get started with IBM Watson IoT Platform:** A section with a diagram of a device and a 'Launch' button.
- Ready for the next level?: IBM Watson IoT Platform Journey:** A section with three stages: 'Lite', 'Non-Production', and 'Production'. Each stage has a description and a list of features.

Lite: The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.

- Free
- 200 MB data-transfer limit
- 500 application bindings limit

Non-Production: The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.

- Starts at \$500 per month
- Capacity limit based on device type
- Optional Analytics Service and Blockchain

Production: The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.

- Includes IBM Service & Support
- Pricing based on number of devices per device type

4) Created a IBM Watson IOT Device

The screenshot displays the IBM Watson IoT Platform dashboard. The browser address bar shows the URL `pjbede.internetofthings.ibmcloud.com/dashboard/devices/browse`. The dashboard header includes the IBM Watson IoT Platform logo and a user profile for `191115@psgtech.ac.in` with ID `pjbede`. The main navigation bar has tabs for `Browse`, `Action`, `Device Types`, and `Interfaces`, along with an `Add Device` button. Below the navigation bar, a message states: "criteria. To get started, you can add devices by using the Add Device button, or by using API." A search bar labeled "Search by Device ID" is present. A table lists the devices, with one device shown: `Assignment4`, which is `Disconnected`, of type `nodeMcu`, added on `15 Nov 2022 22:04`. A `Device Simulator` toggle is visible. A detailed view of the selected device is shown below the table, including fields for `Device ID`, `Device Type`, `Date Added`, `Added By`, and `Connection Status`. The footer indicates `Items per page 50` and `1 of 1 page`.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
Assignment4	Disconnected	nodeMcu	Device	15 Nov 2022 22:04	

Identity	Device Information	Recent Events	State	Logs
Device ID	Assignment4			
Device Type	nodeMcu			
Date Added	15 Nov 2022 22:04			
Added By	191115@psgtech.ac.in			
Connection Status	Disconnected			