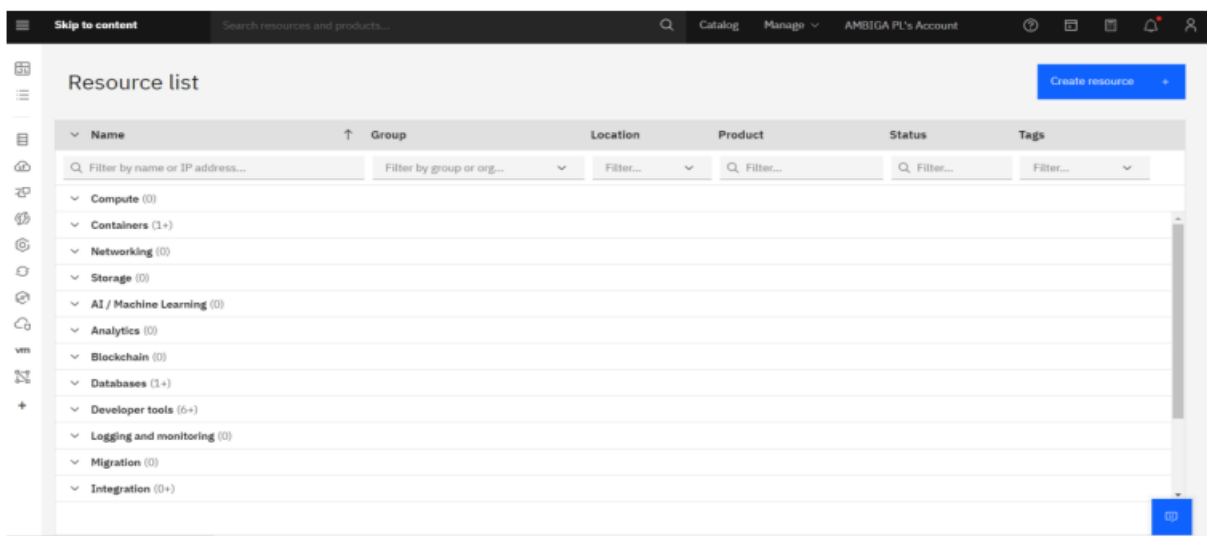
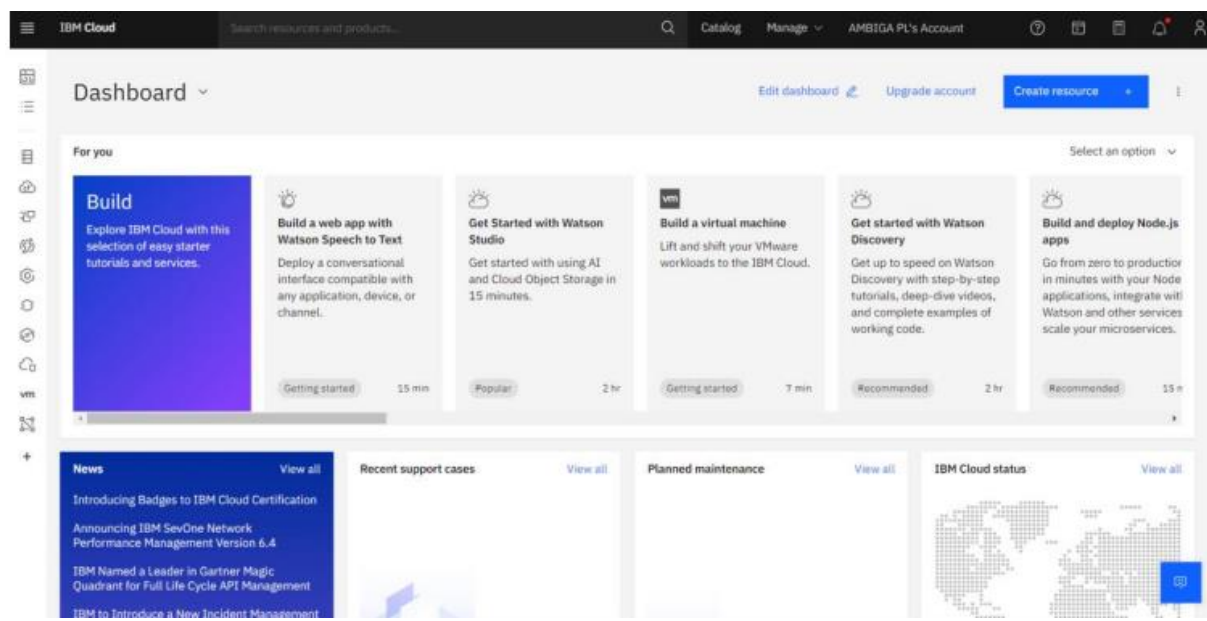


# SMART SOLUTIONS FOR RAILWAYS

## Create and Configure IBM Cloud services:-

### a) Create IBM Watson IOT platform and device:

#### 1) Create IBM cloud and use it's services:



## 2) Configure the IBM Cloud Service and create the IOT platform:

The screenshot shows the 'Internet of Things Platform' creation page in the IBM Cloud console. The page is divided into a left sidebar, a main content area, and a right summary panel.

**Left Sidebar:**

- Type: Service
- Provider: IBM
- Last updated: 08/15/2022
- Category: Internet of Things
- Compliance: IAM-enabled
- Location: Frankfurt, London, Dallas, Washington DC
- Related links: Docs, Terms

**Main Content Area:**

- Header:** 'Internet of Things Platform' with 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.'
- Tabs:** 'Create' (active) and 'About'.
- Select a location:** A dropdown menu showing 'London (eu-gb)'.
- Select a pricing plan:** A section with a note: 'Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)'.
- Table:** A table with columns 'Plan', 'Features', and 'Pricing'. It lists the 'Lite' plan, which includes up to 500 registered devices and 200 MB of data per metric, for free.

**Right Summary Panel:**

- Summary:** 'Internet of Things Platform' (Free), Location: London, Plan: Lite, Service name: Internet of Things Platform-by, Resource group: Default.
- Warning:** '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.'
- License:** A checkbox for 'I have read and agree to the following license agreements:' with a link to 'Terms'.
- Buttons:** 'Create' and 'Add to estimate'.

## 3) IBM Watson IOT Platform acts as the mediator to connect the Web application to IOT devices ,hence launching IBM Watson IOT platform

The screenshot shows the 'Internet of Things Platform-zj' management page in the IBM Cloud console. The page is divided into a top navigation bar, a left sidebar, and a main content area.

**Top Navigation Bar:**

- IBM Cloud logo
- Search resources and products...
- Catalog, Manage, and Account links

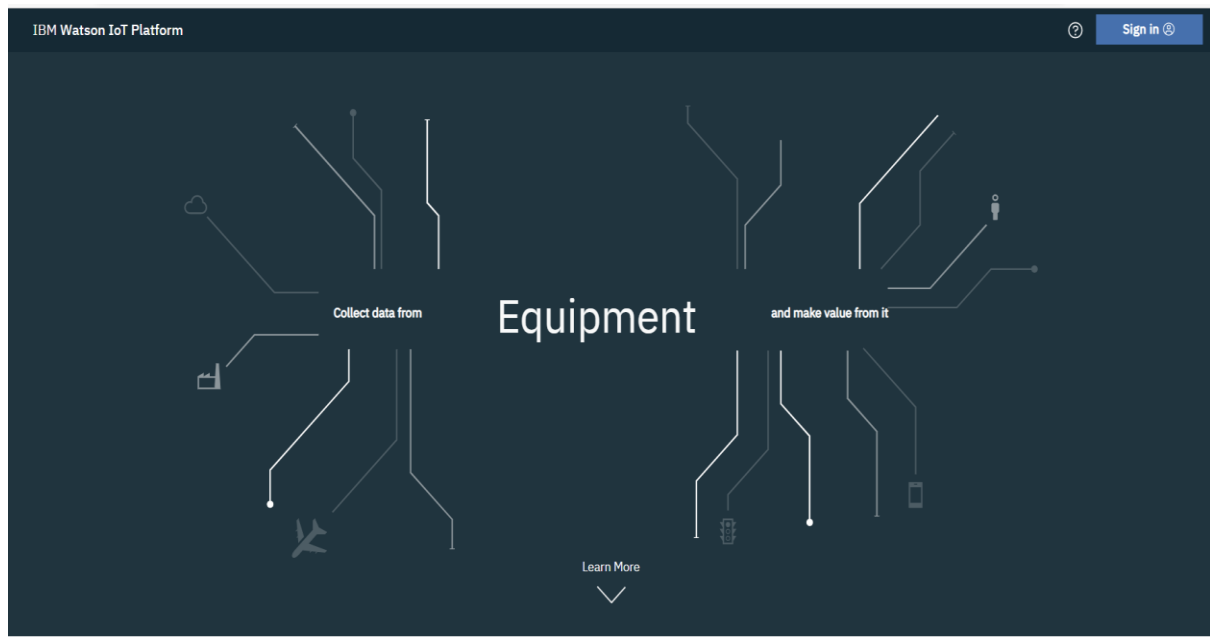
**Left Sidebar:**

- Resource list /
- Internet of Things Platform-zj (Active)
- Manage (selected)
- Plan
- Connections

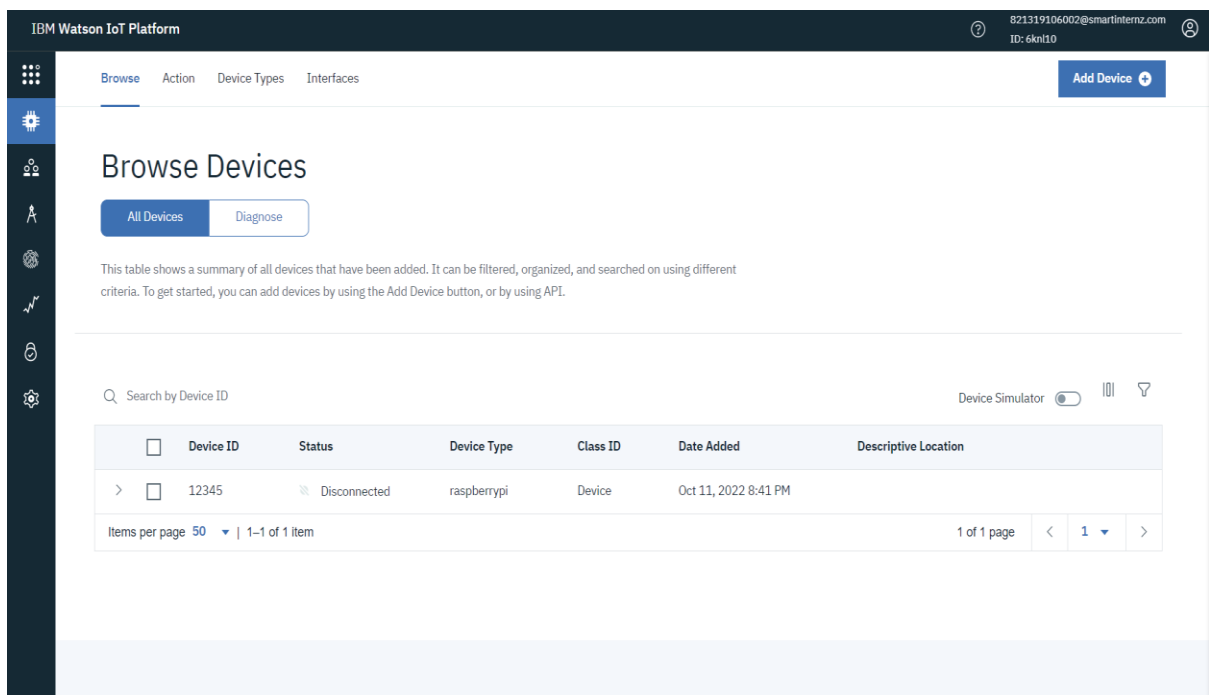
**Main Content Area:**

- Header:** 'Let's get started with IBM Watson IoT Platform' with a description: 'Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.' and buttons for 'Launch' and 'Docs'.
- Ready for the next level?** A section titled 'IBM Watson IoT Platform Journey' with three steps: 'Lite', 'Non-Production', and 'Production'.
- Lite:** 'The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.' (Free)
- 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)
- Production:** 'The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.' (Includes IBM Service & Support)

#### 4) IBM Watson IOT Platform is Created



#### 5) Connect the device and start stimulation



The image displays the "Browse Devices" page in the IBM Watson IoT Platform. The header shows the platform name, a user ID, and an "Add Device" button. The left sidebar contains navigation icons. The main content area includes a "Browse" tab, a "Diagnose" button, and a table of devices. A search bar and a "Device Simulator" toggle are also present.

Search by Device ID

Device Simulator ☐

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> 12345	Disconnected	raspberrypi	Device	Oct 11, 2022 8:41 PM	

Items per page 50 | 1-1 of 1 item

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