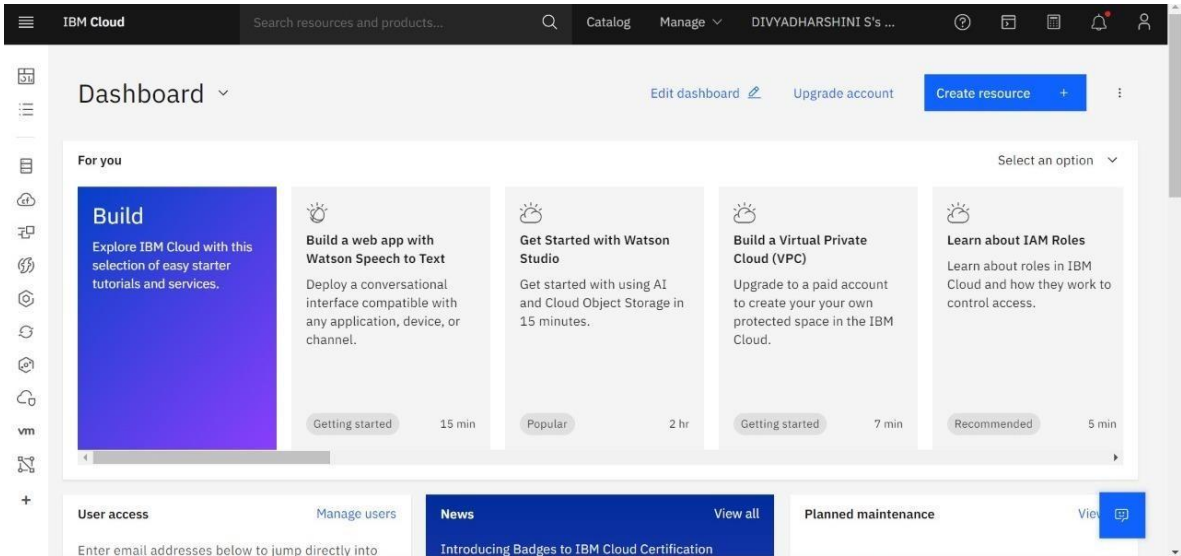


IBM WATSON IOT PLATFORM AND DEVICE

TEAM ID	PNT2022TMID10960
PROJECT NAME	INDUSTRY - SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM
IBM ID	IBM-Project-6081-1658823192

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 left sidebar lists service details: Type (Service), Provider (IBM), Last updated (08/15/2022), Category (Internet of Things), Compliance (IAM-enabled), and Location (Frankfurt). The main content area has two tabs: 'Create' (active) and 'About'. Under 'Create', there are sections for 'Select a location' (Frankfurt (eu-de)) and 'Select a pricing plan'. A table lists the available plans:

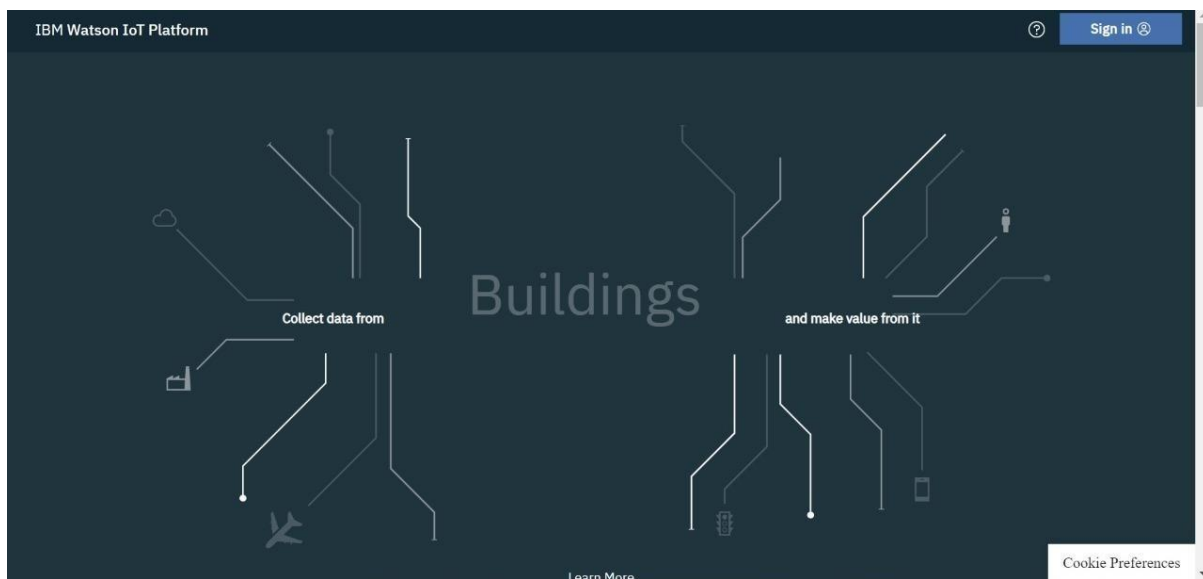
Plan	Features	Pricing
Lite	Includes up to 500 registered devices, and a maximum of 200 MB of each data metric Maximum of 500 registered devices	Free

A right-hand summary panel shows: Internet of Things Platform, Free, Location: Frankfurt, Plan: Lite, Service name: Internet of Things Platform-eg, 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: Terms'.

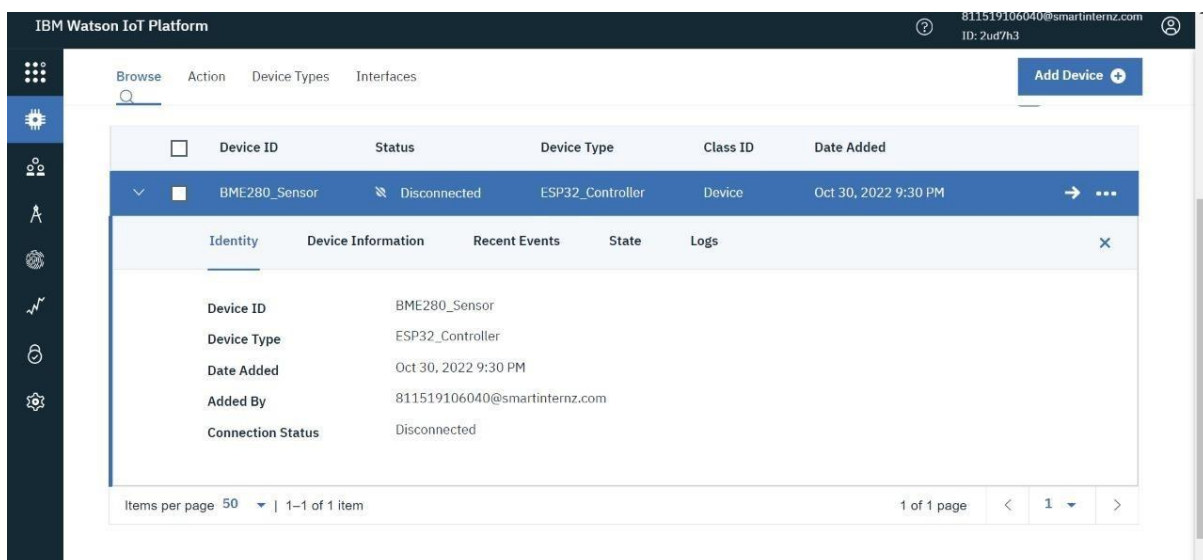
STEP 3: IBM WATSON IOT PLATFORM AS THE MEDIATOR TO CONNECT THE WEB APPLICATION TO IOT DEVICES

The screenshot shows the IBM Cloud 'Internet of Things Platform-3b' management page. The left sidebar has tabs: 'Manage' (active), 'Plan', and 'Connections'. The main content area features a large graphic of a central square with four 'U' shaped ports and four 'C' shaped ports. To the right of the graphic, it says '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 are 'Launch' and 'Docs' buttons. At the bottom, a section titled 'Ready for the next level?' shows the 'IBM Watson IoT Platform Journey' progress bar. The progress bar has two steps: 'Lite' (completed, indicated by a checkmark) and 'Non-Production' (in progress, indicated by a circle). A blue chat bubble icon is in the bottom right corner.

STEP 4: IBM WATSON IOT PLATFORM IS CREATED



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



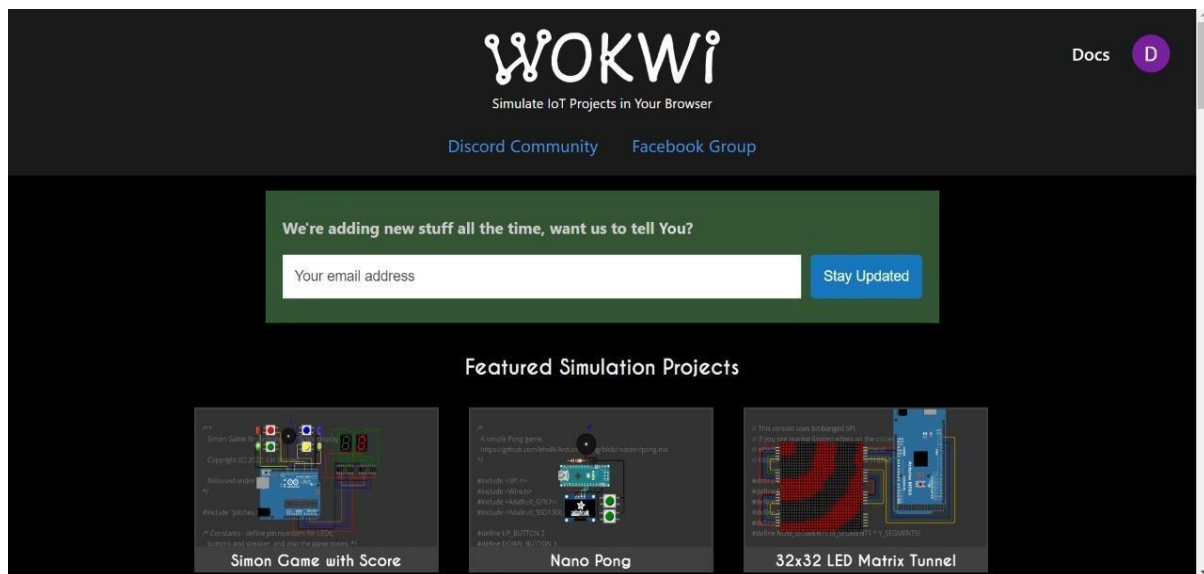
The image shows the IBM Watson IoT Platform device management interface. The header includes the text "IBM Watson IoT Platform" and a user profile section with the email "811519106040@smartinternz.com" and ID "2ud7h3". The main content area has a sidebar with navigation icons and a top navigation bar with tabs: "Browse", "Action", "Device Types", and "Interfaces". The "Browse" tab is active, showing a table of devices. The table has columns: "Device ID", "Status", "Device Type", "Class ID", and "Date Added". One device is listed: "BME280_Sensor" with status "Disconnected", device type "ESP32_Controller", class ID "Device", and date added "Oct 30, 2022 9:30 PM". Below the table, there is a "Device Information" panel with details: "Device ID: BME280_Sensor", "Device Type: ESP32_Controller", "Date Added: Oct 30, 2022 9:30 PM", "Added By: 811519106040@smartinternz.com", and "Connection Status: Disconnected". The bottom of the page shows "Items per page: 50" and "1 of 1 page".

Device ID	Status	Device Type	Class ID	Date Added
BME280_Sensor	Disconnected	ESP32_Controller	Device	Oct 30, 2022 9:30 PM

Device Information

- Device ID: BME280_Sensor
- Device Type: ESP32_Controller
- Date Added: Oct 30, 2022 9:30 PM
- Added By: 811519106040@smartinternz.com
- Connection Status: Disconnected

STEP 6: SIGN IN THE WOKWI ACCOUNT



STEP 7: SIMULATION

