

Department of Computer Science and Engineering

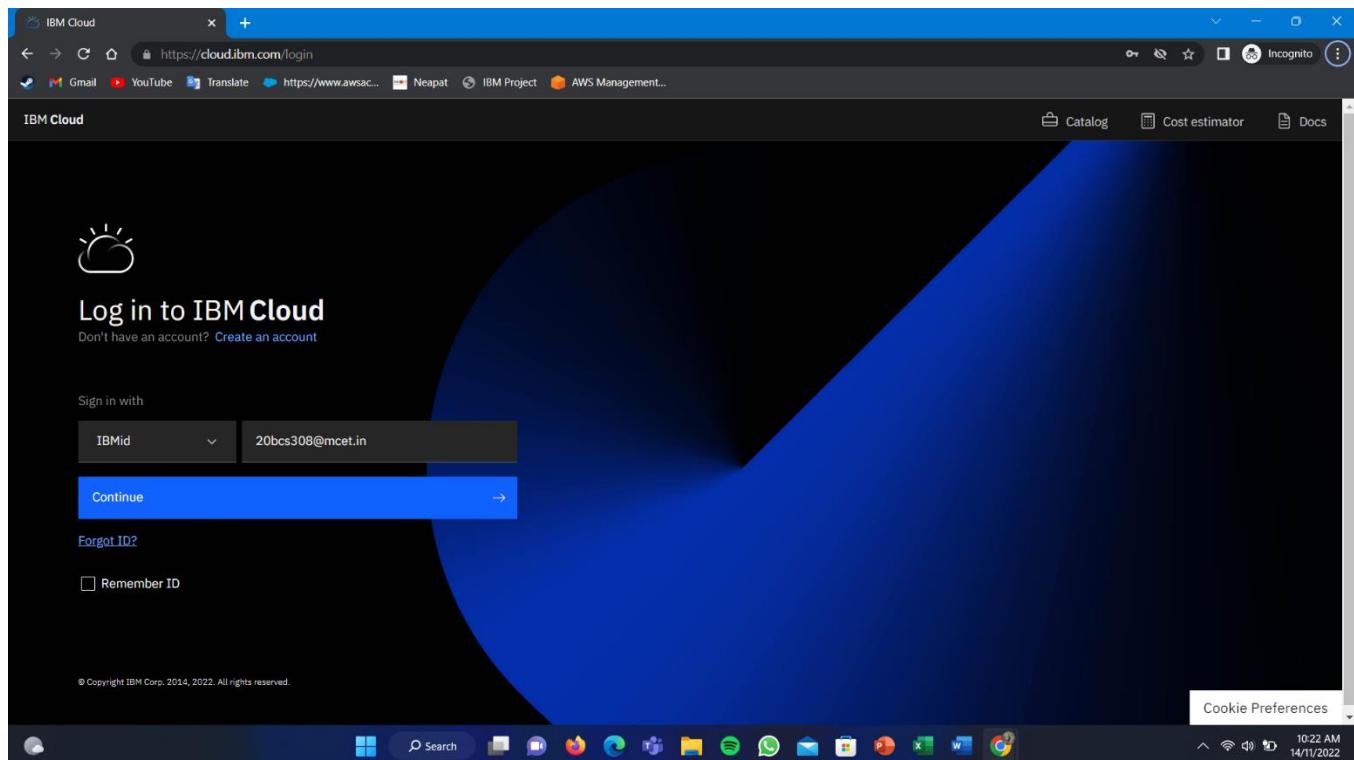
Smart Farmer-IOT Enabled Smart Farming Application

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Create and Config Cloud IBM services IOT Watson Platform

TITLE	Smart Farmer-IOT Enabled Smart Farming Application
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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

A screenshot of a web browser showing the "Internet of Things Platform" catalog page. The URL in the address bar is https://cloud.ibm.com/catalog/services/internet-of-things-platform. The page has a dark theme. On the left, there is a sidebar with service details: Type "Service", Provider "IBM", Last updated "08/15/2022", Category "Internet of Things", Compliance "IAM-enabled", and Location "Frankfurt, London, Dallas, Washington DC". The main content area shows the "Internet of Things Platform" service card. It includes a "Create" button, a "About" tab, and a "Select a location" dropdown set to "London (eu-gb)". Below this, there is a "Select a pricing plan" section with a note about tax and a table comparing "Plan" (Lite) and "Features". The right side of the page shows a "Summary" panel with the service name, location (London), plan (Lite), service name, and resource group. There is also a checkbox for accepting license agreements and buttons for "Create" and "Add to estimate". The browser's taskbar at the bottom shows various pinned icons.

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

The screenshot shows the IBM Cloud interface. On the left, a sidebar titled 'Manage' includes 'Plan' and 'Connections'. The main area displays the service 'Internet of Things Platform-zm' with a status of 'Active'. A search bar at the top says 'Search resources and products...'. To the right, there are tabs for 'Catalog', 'Manage', and 'Giriprasath s's Account'. Below the service name, there are 'Details' and 'Actions...' buttons. The central content area features a graphic of a central node connected to various lines and arrows. Text reads '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.' It includes a 'Launch' button and a 'Docs' link. Below this, a section titled 'Ready for the next level?' shows the 'IBM Watson IoT Platform Journey' with three stages: 'Lite', 'Non-Production', and 'Production'. The 'Lite' stage is currently selected. The 'Non-Production' stage is described as a full-featured offering, and the 'Production' stage is described as a managed SaaS offering. At the bottom of the screen, the Windows taskbar shows various pinned icons like File Explorer, Search, Task View, and Edge browser.

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

The screenshot shows the IBM Watson IoT Platform landing page. The background features a dark blue theme with white and light blue graphics of clouds, lines, and icons representing connectivity. The word 'Equipment' is prominently displayed in the center. Text on the page includes 'Collect data from', 'and make value from it', and 'Learn More'. At the top right, there is a 'Sign in' button. The bottom of the screen shows the Windows taskbar with pinned icons for File Explorer, Search, Task View, and Edge browser.

Step 5: where you find this tab which is used to add device, app,member, usage, and security can be worked

The screenshot shows the 'Browse Devices' section of the IBM Watson IoT Platform. At the top, there are navigation links for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A prominent blue button on the right says 'Add Device' with a plus sign. Below this, a sub-header 'Browse Devices' is followed by two buttons: 'All Devices' (which is selected) and 'Diagnose'. A descriptive text block explains that the table lists all added devices, which can be filtered, organized, and searched. It also mentions how to add devices using the 'Add Device' button or API. A search bar labeled 'Search by Device ID' is present. The main table has columns for 'Device ID' (12), 'Status' (Disconnected), 'Device Type' (ab), 'Class ID' (Device), and 'Date Added' (Nov 5, 2022 7:56 PM). The table shows 1 item per page. At the bottom right, there are navigation icons for a 'Device Simulator' and a 'Device' icon. The status bar at the bottom indicates it's 10:27 AM on 14/11/2022.

Step 6: check boards for risk and security overview card, it uses for graphical representation boards

The screenshot shows the 'Your boards' section of the IBM Watson IoT Platform. At the top, there are tabs for 'Your boards' (selected) and 'Public boards'. A blue button on the right says '+ Create New Board'. Below this, a heading 'Your boards' is followed by three cards: 'USAGE OVERVIEW' (3 Cards, Owned by you), 'SMART OFFICE' (1 Card, Owned by you), and 'RISK AND SECURITY OVERVIEW' (4 Cards, Owned by you). Each card has edit, heart, and gear icons. To the right of these cards is a large dashed box with a plus sign, indicating where new boards can be created. Below this section is a heading 'Boards shared with you', which is currently empty. The status bar at the bottom indicates it's 10:27 AM on 14/11/2022.

Step 7: 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' wizard in the IBM Watson IoT Platform. The title bar says 'Service Details - IBM Cloud' and 'IBM Watson IoT Platform'. The main area is titled 'Add Device' and has four steps: 'Identity', 'Device Information', 'Security', and 'Summary'. The 'Identity' step is active, with a sub-instruction 'Select a device type for the device that you are adding and give the device a unique ID.' Below it are two input fields: 'Device Type' (with placeholder 'Select or create a device type...') and 'Device ID' (with placeholder 'Enter Device ID'). At the bottom right are 'Cancel' and 'Next' buttons.

Step 8: created a device of NodeMCU

The screenshot shows the 'Device Drilldown' page for a device with ID '12'. The title bar says 'Service Details - IBM Cloud' and 'IBM Watson IoT Platform'. The left sidebar has navigation links: 'Back', 'Device Drilldown - 12', 'Connection Information', 'Recent Events', 'State', 'Device Information', 'Metadata', 'Diagnostics', 'Connection Logs', and 'Device Actions'. The main content area is titled 'Connection Information' and displays basic connection details: Device ID (12), Device Type (ab), Date Added (Nov 5, 2022 7:56 PM), Added By (20bcs308@mcet.in), and Connection Status (Disconnected). It also shows recent events: Last Connected (Nov 12, 2022 1:52 PM), Client Address (157.51.195.97), SecureToken, Duration (9 minutes), and Data Transferred (43.1 KB). The bottom of the screen shows a Windows taskbar with various icons.